Sheller 1 2. 87%. Bj Dear Sn. Gran; y can not express my belight, it the prospect of seeing you, and of having the honor of a numble or have with you in these Rockey Handarin. . Hany Thours also, for the please I de somewhat our prised to dec 20 yearing a face for yours. I have anhitected that me who have been so long disten mustred, aunst now be very aged. I hope nothing will brungline to preventyour coming next dunner, Joers , Jery much whiget Ed. L. General.

Vallejs, Oct. 28/874. Dear Dr. Gray:-It is quite insend, on my little parcel. Had I anticipated getting any new species on my little toil to the geysers last summer, I should have been more easeful to collect-copionsly of Inne things. The new Acesates No. 291. was brought to me by Mr. Lowle, a member jour party - He told me when he found it so that - I can probably find it for myself another season. 239. flooked so peculiar that I hunted carefully, and yet only could obtain whatyou see, for I send you the next to the last-Specimen, with a flowering branch taken from the very last one I have . To that I

and not at all confident of getting I again

But there are ripe seeds in this lash specimen which I send, from which of yn an very careful you may perhaps raise a few plants.

The rays of Pentachaela exilis an clien white, and the flower of the munte Julian is bright- Jellow.

Well. Lines I wrote, I have much an unanticipated trip to the Silma Nevada and in this second parcel I send you some of my gleanings in that field. My Orthocarpi I also send begging that you will correct wherein I may be arong in my determinations of them. The Cordylanthus from the Last marshes some I can't make out whether it is

C. maritimus buts. or your C. Attetting mollis. but from the two starners, and the character of the pubescence I take it to be the latter yet it is too abundant all repaid down the by to how bur so ovoloked as mother has hum. Ihrun, you can tell me about it

And I the way - growing with it is a

tall (3°- 40 high) Senecis - smooth glancons stems and long leaves, of which as I have itin memory - I can find no account in any look, nor did Kellogy in Bloomer know anything about it from my description. I neglicited to exclude it must be late and only yet at last some leans and flowers y a single plant, At the time of my suing it first I thought - it must - he home common, and will known coarse senecio. I wish I had put my pray. ments in this harcel, but I proget it until now all is tied who, and seady to go. - Collensias - as you are about to were the genus- I noticed in Lake Co, a very common large species with ochroleneous flowers, Julich I got but one spremmen - I was so handed down with other things - you must have this from Bolander - Of all the nest that I han collected There sent you specimens. I would from and my one specing this if I throught you had any need of it. Der times

h interesting in Colo, The Omning season, As Ever Yours, Elwel L. Greene.

Vallejo. Feb. 23; 1825-Dear Dr. Gray: - Your tur pages y names last- received contain a few questions for me & answer. You ask if 256. Leutellaria autemin. - oides van, has yellowish flowers, Jes, in most y my specimens they are so, though the fresh flowers were musty white with a yellowish tinge Jalso have a single specimen with the flowers, - that a branching plantwhereas the whitish flowered one has the stems simple. 332, which you call beerfus reparins kned, has a distinctly through not shorply torangular Culm. It grows in the salt marshes in sliggish on stagnant waters within seach of the tides, and

the common of validus Vahl, grows with it. All my specimens y Esitrichium Chorisiamum han those very short. Judicels. And now I am done with California, as least for some months. May address will be Georgetown, Colo, until I give you purther notice. I presume you did not know that. my parent's home was between Denver + Georgetown. My mother died three months ago, and the feeble state of my father's health demands that I should be mean him. This is why of must-now have California. I start-within two weeks. I have received your paper on Do Varieties was out", for which, and other Javors unnumbered I always thank you. I dan not promise to gather any thing that will

Geo town Colo. Feb. 27, 1876. Dear Dr. Gray. - I sent ym a postal card last- Oct. telline you I was going tack to California. I did not Kup my word. I am hin still. I may stay hen for the next tent years! But really I I mean by the 1st y this to be in Calif. The place when I am going

Summer and bold; Employ a might ming Infly of General on I have now a postly ample Juld of Meserony Entro, chfrankment - to thestburce I have decented my I can hardly stuck of mught It amuth there is up betulen M. Huster + The housen to away The address on he youther, Thrugh 4- Se. modern sigger hadren thurn arcing Grank, and ear armeding lite a cross Turner out - and to ring you to hear the norm of.

but just herboring to my heart's content, "Des volente, A diabolo molente " as Ch. Land would have it.

How about the Flore of Calif!
Is any part of tout yet,
and if it is when can I getit? I wish you would answer
This Is portal card at-least. directing to Greeley Coto, when I whall be from the 10th to the I see by Coultis "Bulletin "Contributions" are out. That I shall be glad to get- a hold y, I presume you have already sent me a copy to our place; though perhaps you have

A . . Y -Find Gods, 2. Green, 2. Greene, den marking furns & and an strokmans flear

Jula, June 27. 1876. Dear Dr. Gray: Herewith Imail to you another parcel. On top is another specimen of Isofrynum stipitalium, which you Can send to kew, I carclessly made for specimens y it. When I found it was not I Hallie I thought it would likely be something very well known. Lefidium Braba. of which there is a bunch y mutun fruit on top of paral, I found in an old field that has not been cultivated, nor grazed for years, they say, It your with Achyrachena mollis and other native weeds. I shall have to send you a specimen of another Enropea

plant which you say in Port. Cal his not hun forme on Pacapie Evant, i.e. Varbascum Thapsus. It sums fromts in Sistingen Co. though apparently not so well at home him as Eastward. King Imly & Sincarely Juns. Edw & L. Green,

In short, this species is the commen tarmed of this region, thriving engeliere, But not a specimen of M. Sativa han I seen in the County! One Hartmannia and one Calycaderia are the only Henrizonias I han delected him thus fan, lisbura hrostrula is common and the sterns never more then a little decumber of base. No. 742 which you call a van. of Collinsia Enneyi is very abundant on certain mountain sides at an elevation gabout- 6000 ft-, The apper lip is, as you observe, zellnish white. I have another considerally different - John for you now, from higher wh - very likely the typical form. Ving Lincisely Yours O Edw. D. Grune.

Greka, July 18, 1876.

Dear Dr. Gray, Gur letter with report a my last parcel, also the tickets and some pages of reviews are all neceived & my great delight. Seeds if 798 Colemonium are not get fully rife for a general gathering, but I enclose himself a four of the earliest & offen, that you may see what they look like. The proposed specific name of carnerin' is letter for the dried than for the proh specimens. You might drive along a mountain side where the plantwere in full bloom without suing anything of the colon which enggests that name In the corallus that might be lying on the ground you would find it.

When, as sometimes happens, of gons in a deep shall you mightalmost say the flowers are white; but in the half-sunny setuations which it prefers, they are light. sulmon color assuring the purplish on fleshy tint only after becoming detached Jum the aceptacle, and actually fulling to the ground. The white-flowered Buthunce y the wish an remarkable for the Change of color which their cordas under y m drying, but this plant is more 20. It is the constant (under cultivation) delicate salmon of the flowers which makes it so much admired & own amateur floriculturists of yorka. Name if what color you please, if it needs a name, but do not think that it wer, in growing, shows such a Color us the dried specimens display.

And that 809 which made my think I had no corner notion of your to distinguish Madia and Herrizonia huzzelle you. It is common enough and without variations. It has rays along half as large as those of Madice elegans in its most departurate firms, of a paler yellow with never any relationse. It is strongly lumon scented, a nice thing & hold near the work, though this payming sums to reside in the glandular where part of the sterm and about the heads only. It blooms in May, and is doni after our no more of. the earlier and smaller firms of Maelia elegan come into flower at the same time, but later and larger ones appear in close accusion. us the webs and months of humen advance. Then are plenty of them sur in flower that would measure four fut in hight.

Areka, July 27, 1876. My Dean Dr. Gray: I mail now another, though a very small parcel, tickets enclosed herewith. I will send you a big package after a week on Chome platy carfia. Botanizing in the immediate ordinity y Greka is about over for this year. A few Bigelovias and an Enoyoum or two an all I me to wait for, and they, I blive an no rarities. I want to climb Mr. Sharta now soon, On Goose Nest-I got Spiraa Mille John, hy it has not get in flower. Gonzo as always. E.L. Gneene.

A. puberulum, and you will tell me if my name for this is wrong? 3742ª, + 912. I believe these are both a little different- from 742. Collinia Forreyi var? To either y then the true C. Longi! I dan not sely as my our determinations of those Plagiobothoids. >> 39, I suppose to be E. Julium. 1761. I think is E. Comescens, but whatever it is, there are some characteristics y the plant that need mentioning, It can not be E. circumscissum (which however) han never met with) yet the calyces are as perfectly circumscissile as can be! se my maturer specimens. It is a handsome little plant, one y am earliest bloomers, The children guther it for their larguets, and it stains their fingers a carmine red, This is from an exudation from the margin y the leaves, Ruch there on wood on paper and the color when dry is a deep

Greka, Aug. 17, 1876, My Dean Prof. Gray; On some of the contents of the parcel mailed to you to-day I wish to add further remarksus follows: I No 855. + 8852. These fine perennials of our moist meadow lands, I in early Spring took to be Sidalcea malvaflora. but their flowing proved them something quite different. I even judge by the beaked akenes that they are not Sidalceas at all. I also at the time of collecting took them for one species; but I now discover that they differ a good deal in pubescence, and in shape to of akenes. The specimens y both an too small, 885 grows often to the hight of six ft. 885 a is as sting three or four ft. high. to they appear to me they are not described

in the Bot. (al, but since in all probability they are plants not unknown to you, I am very anxious to know to whatgenus and spices you refer them. 884. - I have no specimen y A. enthinuate as it grows in the central part y the state. This looks as if I could te a variety; but the flowers are of a very different colon, and the whole plant is threenfour times too large for your account of At primate , and my recollection jit. This specimen end you is quite too small & fairly referescent the plants size. 1779. I suspect this is distinct from D. alrifolius, but I will have to study the things more particularly, and get sufficient material for you night year. The undoubted A. alnifolius has (perhaps not always) a nice edible prist. This lush, with entire, and more conacions have a dry horry, consisting 976. It does not work like the plant of large seeds enclosed in a thin very

tough rind Ja Junicerp. It is a bush six on right ful brigh growing in champs" with nigid diraricult branches, firming a round Compact chaparal-like mass; very unlike the habit of the time A. abrifolius 3969. The form of the leaves, and The yellow disk flowers, as well as the never slender habit make it - look unlike the plant of he plains for Eastward. But I suppose it is the same, A. annus (the cultivated one) has been grown here for 20 years on more, and in escaping from cultivation it neturns to smuthing almost pricing like the H. luticularis of Colorado. The handsome light yellow of the longer narrower rays of to, petiolaris would be one mark by which to distinguish that plant from all the formes which I have sur y to annuas i.e. H. luticuloris. of the lover country which I took for

sont of magenta. 149, 9 take for 2. terellum, but please lip me han your authority for their names. Plagiobottenys has plaguily-bothered me for more than two years, and I neven out you any specimens before. 1744. This does not sum to fact into any of the genera of the Bet Cal, Yet it might be passed by for a form of Entrickium Chonsiamum if one did not examine it. I did not notice its peculiarities till long after I was pust its suson. I have found just one specimen (in fruit) of your Cyroglossum occidentale. 876. This too, in the time when I aught to have made a good lot y mice specimens y'st, I neglected, taking it to be M. Multiflora; so I only broke If a couple of branches with which to prove, us I thought the occurrence I that species in this region.

But happening now lately to notice The fruit I see it is very different and firbally a new species. I have sun if at different places through a distance of forty mules. so it is no ravily him As ever yours, E. L. Greene.

His van. glabratus, i.e. 95. Hull & Horte.

The Rocky M. region is reholly
herbaceous and no variety y ther
present species, is I who know both well

may judge. E. L. G.

Juka, Sept. 3:1876. My Dean Drop. Gray; Gwo on three weeks ays I got all ready to go down to Strawlerry Valley and from there wh M. Phasta. But I rather suddenly changed my mind and started of to some high mountains in quite another direction, The Lott Mountains mu about evestward from Mr. Sharta. The point at which I ascended Then lies about 40 miles west from Mishasta. Foltained Grite a muster of the plants that I should have looked for on Mr. Shasta, and I send you to-day a little parcel containing Jound. Perhaps I shall now for this year leave Mr. Shasta Univisited, I received a letter from Dr. Engelmann the other day, containing so many questions about oaks and Conifers of this region that it will take me all the rest of the auturns & become able to answer the In the last letter I had from ym ym asked me to get olden states, and suds of 809,". I had sought both a month lifere, on receiving your first remarks on the plant, but in vain. I hent to a spot when it had goover in great abundance with Madrie elegous, but found only the dead sterns, the last seeds even, having apparently here scattered long lifer. but M. elegans its associate was still bloming, and is so ever now. It is wholly distinct - Jun M. elegans.

and I will try to get a better variety of material next year, in the way of maturen epicines and ripe suchs. I hope you and Mrs. You are

I hope you and Mrs. Gray are southward town, and that I shall become from your southward the contents y that parcel I sent your some those weeks since.

Jours. Very Truly.

Edwid & Green.

Is. Fied up between the boards
outside of this present puckage
is a specimen of the woody
hart of Lupinus ornatus. Ing.
These woody stems are often two
feel brigh and two inches thick
at base! Yet this species has
alwayshen put in with the wholly histocious
Lupines. I wanted Mr. Watson to
see for himself, that it is a shout.

Gnesia. Oct. 11, 1878. Dear Dr. Gray; I send you to-day still another small parcel. On the top are several forms of Claytonia perfoliata, and next to them, as many forms of what I hold to he the very distinct C. eniqua, the differences between which I indicated in a letter some multes ago. That 744, is in aspect so strikings different from E. Californicum which yours with it , and from all the other Entrichia I have seen, that when seeing the prit I came to the enclusion it would be likely to Joma new genus. I did not at that time know that there was a sub--grobidiale van. J & californiam.

The characters which you see in thou specimens a constant. It is a very common plant on the streets of Joha and all oven The moister portion, y the Just mudeing places. What are you going & call that new Mirabilis, no 876; The plant from Lever All, which zur call Claylonia bilinca is, as you infer perennial by the hulb at base of sterns. The proper member for Cheloric nemorated is 1019, and for Suntstemm Ringin 1021. No 1000 you call van, exadiatus y Aster Shartensis, but you do not rement that 1038 which you call A carrescens is who wholly distitute y rays, What about that - 1051, which I suppose to h Brigelovia grandens with a wil developed rag flower

in almost every head! I saw only are bush y it and condered of it was not a hybrid between the Bigelovia, and the Aplopappus Blomun (7 think it is) which grew near it. The little Sectocarya has no mon appearance of being a foreigner how there have the common Eritrichia. Ving Fruly Jours, Edwil L. Greene

Jin D

: Gruleu, 100, 3, 876. Dear Dr. Gray: This no 1008. y which I enclose another spec. apre refer with a doubt to Claytonia libinica. In lette, Rook at it again. When I was collecting it of took it for a Calandrinia. An Instr night in still thinking it is one. The bracked racerne. And there, the helbiferon. permial not night certainly to distinguish it. It grew m i moist woodland -If you change your freinn about E. L. Greene.

Silver lily New Years

San Dr. Mary! Aletien & ste to the in a las months since & tell you that I have remine the kin red going array Aring 14. A 200 moter in the south water Correr of Fine Period of thet to sta in who gh the since and sure or Pluse ther sire address one of Lilver City Chant Co. S. M. Extremen you ide. any thing & Commenceale, in & I'm it alone will of right rtill game der and the come ig since new contributions y will se that may come

my to de of a hucken ithis is teen days. a to a friction of the period where it giet this way a when I have and from the or and much find it in lesoting · yel der har 2. 2. There is

, 1 , , , . Car training the state of the Itte a a fine to the the second of the second 0/ 10 4 <u>5</u>_ + _ _

at the state of th A CONTRACTOR OF THE STATE OF TH 2 271, 219 2- X T , () if it is de la celes, of the second of the second of en de la marchata a of delen el all to 8 1 to al Pere v to the way were e oueie-121, 2. Errengil n. ceidhall mel a reni 1 as R + se tra it sull, til te te e e e e e e he my distincts is a wark Lord, x ince be with 220

ty consitioned for a fall it see it was the tent to the tiet the end of 4. C - 2- E the a fixe is which eit was a " " cel + red - l'ate. wick to have and and have it sees the end of ac - o rear per . "I le person elis & me i'm an ethine me ct part to engle on Cilinate of there to. seret, se de cherry of . o the year of the second eun san if.

(Momel (cronida, Son. 83) and de some of the second of t equities of an sending, and the bolidage. the wiens of achton is a form to andulate and the reach lated sing old the its ony many small heads and short it was. Cullitriene veria. the dut been resticed in Coloredo before I'lling and there fore a feed you a thecimen which you in a Shring a my from in Berge i fack, at which have in the moist meadow tands ingeron or me, ia filian, mes, in a ruentione Condition applicant in execution electronice of the I man rece it elser here. I reached fast lastand two days a fter you were June, and wan too marty wire not to sollier agen who, the wight not wellbe disaphon had ut anot received you and in Ayouthen. My artirezo for the mineriale the field and inneles will be as above. My land diected at Silver ite france not arrived have und tomic to le cetrain they are list. there shall I noto totame next rear? (40 Process of out Edud 2. Treeme -. Pirof. Ha (fray,

4 2 1 1 2 t - t * · · the state of the s - C - I - O - L - C - U t. t. t. t. 1 milk the state of the state o the the 1 - et a of the first of the state of th F. 1. at my the second trace to the second one of the the the the Property of the state of the the second of the second 1 to a sole har har h get her at tycklote ? I'm. I the extended the test come to the rain on the the form of the is the action of the second

to the second of the l'afer if rote the warp as to see to chely son he for the un & shill have a ship Him is to the things of we kee that the at inted 1 2 to ma 1/2? Alus! If a rea if the life to when 2 - 7 hand se, the sout set 1, the ender As it is not to tale I to talk My 121 6 2 - 22 at at the 20 place to you can te to be and to the second to the second of the Buck In I year to a sent a and of the control of the large 120 is the to lay two sies it I water 1 degree l'ant - and the first of which is the the and proceeding the least of that is your will be to then a feel get - de which will then we t, 71 to 1 + by 110, 200 Mice of There, chop as a line tou a the gra The feether to the second of The real will you forme? to lost frontly of the And he reach routher Colo de Carrier of the 1 man 1 1 Donate. A 7. a middle grand of the total he lock (and has the file to 2h-6.

I would not haithout its company down then next March and I April, for much money, Sincerely youns Edw. L. Greene.

Grindad, Colorado Jan. 13, 1880. Dear Mr. Walson; Phan been gathering lichen's amount of these "mountains of Southern, Esterado for a comple of days pash, all the while keeping my watch for winder relies of other plants. as som as practically a Calalogue y the Plants of this State; and this portion of the state has been but imperfectly explored, Colonicale Now see what I have found here; yesterday, to my amazement, a church y mezquit bushes, Frospis peliflore) full thirty miles north of the southern boundary line; to day a Noling _ in Colorado!!

From the material enclosed can you determine the species? The scapes luck six or eight wiches I suppose it is a duarfed andition ig your de loumpeus, but I wish to know what you find it & to. The locality is in the mountains between the Gergatory and Africkipa nivers, north of Trividad. The Jelant recurs plentifully, and does not heartate to flower, and maken fruit in this latitude. Un my trip up the his grands in the summer of 1822. marked the disappearance of the Nolina, ah a point fuel 400 miles south of this, at a much lower altitule. Are you so perfect a master of the tell me the general spice; w which this other stick

represents? It is a plant quite over to me - a binnial (in prossibly annual) Three in four feel high, and grows arring rocks, with the Nolina. If you send me a post card, about There things - expecially the Volume to Albrigarque, New Mexico, you uité do me great satisfaction. Some time when I am making up a moil package for Cambridge I will put in good liaf specimens of the Molina, by which to identify the plant as from this surprising locality.

The is long since I had a letter from you, and I worden what gomes in order you may hat work on this within , and when we may Rope to see Contribution X? No. IX goes with me on this took & Arizona, und mus great risk of getting worn and soiled; but

Sitver City Par, 20, tie in Eca Fin; Hray: andia little apedition to the Mogotlore Mountains, some ?smiles distant, and constent show you some of the things hicked ask on the long, and will in the mountain, thing! the girmentaring . I have the conty & hid munch; lut of will songai after tur ence lie . " Euro greatly wind at to. Building Charletter y in the sing. regetation just - best y in the Mir in Win Miliaico, de diraha - Erasteure fille the the transfer to be to be a to be a to the to the to the to the to the total to A'cein . Into d'en l'à tour lang mil

to a final or energy. Deliver of it is it is well out marine. on the she cus umanuel, and cornel. marine in any which I among out une distinuined nightly. I would I I me jorne ist, in the fall, a caralog is i it deples to the war were the same the in the land in here in in the are the I'm writing any man in her han I a discarded. The islance of Larrinana came in I have the there were - Cin & said it again antic " l'ant- larert- is feart-. Es in well of une till in no (hoursmy ting that There is in

me de de la mandera

PLANTS OF NEW MEXICO.

Aselefria, kumilis E. L. Grang

Collected near Silver City, Afri (2) 1880.

By Edward Lee Greene.

40 000 me Mucanin · 10 (2) in the second 1622 we a second of the) L

Sir . Here i i i rectin in men moking a som men. us lake ... and of the second of the secon I'm a second of the second of ot, if " 2 will a to the " u er ca mu voe ud. ? ! ... & anthony in the state of "the six and a second of the s bilos nomente. M! - not & Comment of the second of the America in the right of

i de l'entre prince i en in reg to the ir the man ca real in the annine and and zeretime the wine of the solike. andine includes the and the second + Thacker

Sidar City. 7. 11x, Dur Prof Gran. Glack to near the plants send to Dr. Colder are mit los! In dingelman, reterme d'urquel to confiant my little 420lipin, enth. the oraquiral it timetysteps - sum par done so, and con--firms any view, suggesting, hunwer that I change the name to A. humilis, fin he surp in Colonielo specimen, it is sometime 4 instanting of parently all the A. bruetigothe plane " Colo, is identical with my plant: de new you must verhand your buille y milk. had , and give A. pumilie manne & al place! You have diretters heart it it when other hands.

Chesterday got one apronuen Ascrepier - mear your A. giving medentalie & A. Conflict, -I singlet canfully on acro ? grand, for more, luf in vain. dan in nofeer, muine, that - 1) shall find "limble in some in et am looking som for a report on my tast- paral, ancommbile A hour new material for newthern mice are thentum of Think But al num meltin, Airent fur. E. L. Juene.

Silver City pour 26.78 My Dear Livel. Egran: O have hastile, tied refe in small francel a frich & are going to mail mercuith. The plant I oren mond auxious fin you to see is the number 113, about which I have for michanter for these there your of obtained it in 1877, and it amount of the for things not lost , of that deadon's collection in the gran the flowers are actually freeze no yellmish 'r whitish" a tret there and with this quet afin and The manne Mueronesse. windiflow in the Book, May, Danid complete un eye, and we therefcare frely clarining the felucate I tion it for their , There last. full , withing listing with

equies d'aute specumes, ? the in wo were a placed as Latin Horgi. The ten tocalite. viras fundants with your calis mune Prosundian. Thurteri. Freder to live un 25 hait, aport, Of course I have never seen a I have they year collected to in I if sun freemen, under the ite are plant la free macros. freeinen frank Adelificas the discount han just much mangereductata Into according braining just seen gor the firstto your account of the hord and him of that opicie, this is soched time the real Oriosurvelium hunteri o Al. writiflera y the and rem sent and la district Mex. Bound. Bed: Day after to morrow of will Chamination them my plantto ua dithorfurnium and Musto agui der ti glimme Moyothon Range! +tope) so it seems & me after looking thall not he driver tuck this through ace the look , & papers time.
Anice set franco
Ldev. L. Green. at heard, an undescribed specie, But of and anulling to send out new lickets & refr lace the the old and aring me, andie, I. S. I was as greatly merfined near free you, lest I should & find fedienlaris procesa make a second lander on the Denne plant. I think it man, hun, a that at an altitude of the be found by you to be long to some then 8 mm of the dearf year Mylen + Krime Threies. a fretering

& place been atolan, and purving been or gratimal. An your les me more than and that we coffie, and fin sale now y Vol. II. I have done time, thought -) muld advertige very would, in hope of the finding Rome on willing to part with his, into I han entry to the de theat expedient. there is a long letter, of there is a nothing more. (So Ever Jones Pelov. L. Jones. Le reis Water. (Para Irriolege.

Silver (ily Wew Hexico) June 28. 1880. Jear Mr. Hartson. the Naturalist that the rolas, of Bok. Calif. will com be out that is excellent news. and nour wheet an people to do who amento here a Obelien y Vol. # there men no office for gratuition, distribution, new theles, A sofy came to and mail, before the builing had her dire and wer lett If how rich people, the faired of a ching , or II , I beg to see , - wed

2 mg / to the thing of the second

most-likely & have kunliden upon this point - threat to this munde & uncesselly Comen, nothing of any value - not um a possible framphet of Contributions - a honed to sent ly mail auregistired. Monover The wrapping should h clim with great care aring strong paper to turne. If you could are the amount houston emplied note men host office, after there 300 and, on buck-lound you Similal purceine The unpertainer of this argustion, long post office along the line when mail is arented my frees it, stone of valuable, June which - arapproso & heree in your much a great deal ig in butte & haper mail,

Coul good a ratifing & regestion. - nig menner, & a fair extent. All this I take pains & maggest much considering the possibility I fultin things lein sent such sufely in the fract. But in 200 Copies of the particular IK in question has to he gratulant distributed, do "tell me when they will be placed for sale, if any are 5 k evlet, in else ymerself make men nemn a er fra la luging it for in 8. sending it, with bill. A Runs you can hippreciali on august & on the look, A shall mener frozin myself for freezing, in the wholis 19 (876, July 200 2till und our Follow, by mail, & handle look lunder - when which tothe it is

Film (ily. July 13). 1888 Deur Dr. Gray;
() Your post- eard y The 2diest as teing about the Phacelia, has just come in No: I tid not ful sure that what a called It Arizonica of this years callecting eno the lane no the Arrana plant of 1877. But any aprocurer, there year un to young, and, I have no sherianne y " fland to compare. Do I can not help you at present. I would red wieler if two openies are still included lender the reame I consulate - ? for one, with large, showing dut flowers, and a tall on with small. the corollas. But it is too late to nake a study from lin blants the year, I have, however, guel bright flowering chromens of the and will dend you down this are is a

- or ruther redications of any running together of these too Junes, in this region. form or part, dated fuly I me my parcel of plants one times our merting, & which I refly rous. The Afel fraf for (115) is personnal & there fore (A. spinice), evered for myself refter () had sent it , thingh at the time of collecting, of thought - it might to mother theries. (Ser ir in al plant closely meen thing this is abundant, Auf. will not la in flower for some time get: This I suppose will be the A. gracilis & which you have no farence. of I read correctly, a note of the end of gar letten, it combains à maine men to an in Sprendla . I proggled any all acritaling time. It if the true, that the little while, flurend Composite which you at first took for nem genns? If av, it is news in

a & I shall look forward with great Eleasure to the day when the description.
I preside Arizonica will appear in I gear to lother you with man questions, The have Solzegonalun in ligare. I listike exceedingly to ra, in a ticket, i marine without the author's name, and for allting the tit, in was fire the efectivens! On the one in the First! the latest new Asclopial : I seem to Our erwage me a month is fur this year) is a marvel . Augenting by its hoods lath Anantheri, + Arclefindora, 1. has its unther wings evident in the triblet home it will easily hook ital! on to Adolopias , and hang then frer; hough it corres under nue y your lares rections! L'enclose a flour,

and, in case I do not find 2 rose then the single specimen which A lower, will give that & your There it gets dry, no ales the. one operium explant " ". " ". j'uhich houser, I found some unter, ago another opecine with good, another Hollich. Vin Sincerch Juis Odev. B. Grune.

the day, and include in at these, two mitRunds of which you have. As Ever Griso ! I fruis I. S. The Arclefrias alon referred &, which I had not seen till gesterday, proces to he A. brachystophona . which I made une in like see before the ; necerately described in the Bost. Mex. Bund, and, I forman that in The character gine in the Lyn Al, is truceable the inflor there specimen y A. humilis which were were feel with it.

Silver City, July 16.1880

Dear Ar. Granj. I noted dann the character y any (Azeloficas mirabilis, and ever mailed my manuscrift to Mr. P. It - Jacking Inquested & show it & you, lefon printing; he hime mear you wow) without having looked at your You see the danthe mings for in men filant put me off the track. to that I never thought of looking fir its mean relative in your 1. Instinday, while etudying unt a spices which I had not are hefore. I read a merdentalle yes. cherneter y A. ungelagion force, nas, at first, tadh scared, frame that my sufficed and

while havels, might be the se ue. But the Euro must be entrough distinct- after all though any closely aclied, notwiths landing the difference in author wings. I had to zit down and note a correction gon a rote about it which I had appended to the diserption. but I could not think I anything. Uluder the supposition that then was no forting to moth mot a mandless combination of other. action, e cultiday A. minabilio; but in hier of A. mycloginisolia, it as I thought, Dont, masunch to it will, who parently stand out & Augelagin Jolia then seems Es hat least a portie Jetimess on Hor your and arrangement of the grines in Snoc. Am. Ac. XII to en

Syn: the, this is an unfortunale disenny; and if the habit of A. myelagin folia is or malet " , Asclepius in general, as that If this plant is, prohee for the difficulty can be gotten are to defin-- riting there for the genus: though I suppose that however piculiar the hords may be, Th. knænce f hom, mil hideerned a sufficient in ... for vetaining them in Ascrepiu At all ents, I am my wention & hear what you think, and of your dem it wise & cancel art I have unther for the jugatho wheret of fine the remain is the note, I sheel not ful to I told Mr. Coulty & have gon cruze at your diestine. He is getting to man Aunday, and The cenus is not & h put of longer, en I huld make up a freel

to san re-unting, for well here and before now, and I trust will have duly corrected the second & arguented M. S. on the as clipiads. As to the A. Sidentala bramers; it nos the following passage in your character of the species which our. aniced me bryond doubt that mine was a different species: thoods + + Con. · duplicalt, somewhat quadrate in Now that 'Keeled back to "gradsale outline" crucys & my the idea of about as different form that in my plent as can h imagined, In the offair y hom & tulk I should have enspected nothing at most but a variation, if they had seemed the main difference. E. J. G.

Silver City Ang 3, 1880 Dear Dr. Gray:
The coming of the rainy season, with the consequent alundant- toloringing has kept in from correspondence for the last-three webs; hisnow I have taken time & tie up those wilk with and , for other things which I will mail himseth; No 188 is that Lithospummin of which I sent fragments a year ago, and which you called L. carescen, By these specening you will perceive the wast-difference in habit - that rosulate tuff of not learns, - The flowers are hardly zellow - but cream colored when yourk, and delightfully fragrant-, with the oden of OEnothina Cennis, but struger.

I have no expeciment of L. Carreson, with which to company the flowers but prior the description I judge this is seem difference. Her liaves han some stinging hains, let I her not get had time & examine them dong the sting I have felt. The firstalenin (no 185) does not seem to be I secundiflows morany other described species, yet, as a little distance if looks so spacety like secundiflems that I dan not always think it is not that . but the leaves an different in firms, more municions + the whole plans is pulement. No 202, Tolidage is appointly the same as what I sent from Colorado thre years ago, and which you did not sum able to name may postily. If I wistake not you note me along a year ago "that you were there" af rusk us this years, w I try the

Species again for a name. The Afymen pappus (187) is far from answering & any of the descriptions in my looks, x is answer, a high mountainer; so I presum it is new. We have had no mail from the East for turber days; floods and the reputed course of the delay, to a part y what is due is reported I have floated down the the Grande! I hope nothing of your sending has gun that way. . Ha her Juns Pder- L. Green.

P. S. Line I work the above, or for provides of our long delayed eastern mail how come in, and my notes, with your kind appendix form Mr. Coulter. I send their back again, though not with much hope of their reaching you in them

han told us their any of these plants han Corallas. decidedly a irregular us this one certainly has, moreon when its stameous are ful whim planents long enough They an declined, as I Their beserved in hundreds 7 8 Ah, fresh flowers, It is my Commen here & com not i h new. If you will be long in Europe. how shall I direct to you any then flowers of others possible new asclepads. I have no time to re-write to correct those notes for the Jazette: By least from a week is one; but purhaps by a very free use of your own from in simply examine; and putting in row & then the night wind e. g Wrightin instinct y mirallis the thing will come in print all right -

Silver City Aug, 13. 1880 Dear Dr. Gray:
The 39 has just come. I Trope you have taken me at ming word (for I always mean, all that Jean and done with that manuscript just which you thought list. If igner han released it with men all night, but then, instead y writing & hear from me agen might have evased for example the murabiles? * put down the letter Wrightie as the mane for the Asclepias as Denstructed Mr. Coultin to let you do, I have found, since I last wrote. & you, a record specimen of the plant, twice as large as the

first (which I sent you) with flowers rather longer, & in this one the author wings seem & han their widest place, spila good deal below the middle, Many thanks for the two flows of A langicone. It dies not June to me to great or Evenden that you confounded the two, for these flowers of longiemin lost mere like Those your Wrighting them I supposed they winded, And now, here is another, It can't h A. glancescens H. B.K. (though the sterm & plience. answer, Jufietly to your description y that freeis), for the hoods are, of amount truncaite of erose not 2-lobed"; moriourn the corolla is not reflexed! It is 20 glancons that I would earl't A, glanca, but for the oxistence

of the A. glacicescens, so I knin not which to do hat call it rupesting find grows in the rockiest alopus, man the runnints of the Diros Allos Munturis. Certainly closely allied to A. glanicasans I fear that, by some possible enon I description on sure defectin the original eficiency, their may, after all, to that sprais, but you can tell, after experiency the flowers, y I am wrong, I have now men plants which Thurst to read you which there is no time & frick them, out; Jon the sein, have been about a -dant - and then, is botanizing enon when, & specimens are to he much, of a prendred. Things I never som befor hut I will east you more what this Collowie is. I can nur tell frain the looks, beause river of you

Silver City, Ang. 13. 1850 Since mailing my letter ; this date I han thought ya new expedient in the han no time & no write o correct song on drop from that gazeth MS, my A. Nev- Mexicance " A. misabiles" and all I han said about theme; I you name & describ there as you like, in your forth coming paper. That strikes me as dicidedly the list thing, under all the circumstances, som do as you like! [. 2. 3.





WRITE THE ADDRESS ON THIS SIDE-THE MESSAGE ON THE OTHER



I exceed 400 afecies 7 mg this Juant to get a copy of Buth A Hook Jewn, and I must I guess look to you for directing along how to obtain it. My specimin of the latest- Aschpia Ja which said a flower) is now (day, but - I doubt of I should yetit amuiled to you in time gor you to see it topin you go, much panilo work lately; occupied all this wiek in jail with two pour young councils whom I much attend to the acoffold this afternoon; No: This is no mistable about. The whiteness of flowers (rays) Trunella: none are whiter. The stems of Asclepia, Moreptij' are decumbered - almost prostrate-May he the rist of the growth are 20. But all this I am writing will come Linerely yours 8. L. Gnewe.

Silven City, Ang. 20, 1880. Deur Dr. Gray: Jeur litter y the Ille and; Just in grutifies me much, because it shows that you have exercised, with my Anclepias M. S.S. The freedom which I wished. There will of course, be no need of anything at all going with the Gazette V whent them + the 11,5,5 is only to be distroyed: and I hope you wel how done the same with the other hit, an other new sprice, which followed that ; for the The. Am, Acad, is a better place no doubt, for a new species to. be published in In making one call that milBured & Wnightii, J. Think you go to an ennecessary

disapulus. By saying in your paper that I had drawn attention & the Equais as distinct June A. longicorne, you would han done me ample justice, in of you wished to do mon yeur Could have reened if Jonewie, That was what In Engelsween fire - Justed to do with the letter ora after it had been printed in the Gazette. And by the way, it will grote to you his words, by which I was induced to propose the alteration. " rencialis it is not, and you han time get to alter it, for which I would suggest H. humilis is you will not let me call it When I had found specimens men then an inch high, I still would not have thought to alter the name. but for that any atrong proposal

of the Doctors: and, since you may you will not alter it, all right. I had sent to correspon -- duty who had received the species from men ticket with the name A. humilis, no som as hed mailed my second life of MA, Is & Mr. Coulty, Non, I will neall those and and again Me nam A. unevali, I have sent out four or for fuscicles of 100 aprice, but that is the one, one of the new millwells. which was in. By the way I shall have, there in four mon sets them an spoken for, so that you can, I you wish, refor to my any European perbalish when may folising what I must with me affective a good many of the things I are collection will he mented of Ken, but him com I tell how many or what species? But then will not he

Silver City, Vew Mexico Aug J21. 1880

My Dear Bif. Gray; This morning's mail brought me yours , the 12th inst. I fear I grow to be a grand musance almost, to will, in the future, by 5 mend any ways. But I thinght that-The lutest- frances and reach you as som as the lites the S. reached Mr. Coulter; but it much han been delayed, As to Draba Mughlinica, ig the specience I sent you does not. show the dead scape of last year still adhering to the root, to thus proving the plant perennial it is not like most y my Thecome, & I will send you. another which does there that that thing,

I think after all I wrote ! look gun & Mr. Coulter, you could heen done what you pleased eny way with me neveltes pullishing my fit them eg. Alhospumma aride, as you were weeking up a paper for the pros. But I was wanting for you to Du good spremmen y. L. Colorense, and intending & finish The tire Toyther, Your ingustion that I hait Will the end of the name & they with Mr. Watson, help publish all in, one butch, shall having law, in the matter, + & trust-Mr. Coultr will muchly frem agreed to it. I do not know just when is address him atthis date, has trust- if will h done as you wish, I will been him return & un ace

the sheets I have sent: I shall see in your forthering proper of you printed the Astroyales Granei, as I always uffer the yes, to do. It is too hard a grown for and to middle with, I have onthy hartipe n sp. thereof, chieting in fl. only, on the server day in which I got the other, & I was then compident y being alle to uset the Mogdline, again in turn to get its print; but now it will have to wait As Eur your Sder- L. Greene.

San America summatain. The tree, an all different form all S. J. Ring & some of them, an not an the list of N. Am. trues at all. I shall you again a week hence, of the Apachus, will let me, & bring a lovel of word to send & Brookline But was, the hudians an upon ers again, worn them eur, within, the last week. On the very stage which truefly your latest-letter driver and passengers evere all Rieled, & the mail punches and out from & their contents scatter. and are the grand, where they our gathered of & forwarded, by the military who came upon the same to late to som left. I am undering how, with you in En spe, I shall manage & get rance for the world of spaces y Compositor I am gathering m

Silver City, New Mexico Sept. 10. 1480.

My Dear Dr. Gray: Yus letters & the proof sheets of some any intensting frages, han her received from you within a few days, Jun all of which necein my thanks. I have latity had the happiness of a trip to the dan Francisco Mts, min 125 miles west y have, within the lorder of Doigena, or I hasten to mail to you a fragment y what you will repre with me, is the most intensting discours I have eur made, i.c. a record strongly marked species Jymer genns Fendling to ving different from the original that if calls for large alteration in the genine character, yet

I ful guilt confident you will not find it withy y being made the type y a new genny. I arbuit it to your, with the manne which has suggested trely, to you must with me, of you have any objection & my publishing to with what is now getting to he in fine long list grownling to he whis season. By the flower of Asclepia glancescens which zer her kindly sent , I per -cien that my plant of which "tout you on flow is wholly The same. But, in now y the fluores in both min & yours, the Jolling pursues in the Ayer Id. is sailly misliading. Crist- * 2-long at summit, the outer lobe troad & rounded" It is equanty truncate * crembate or erose cher across. Will; Jone the San Francisco Mt I guess I have another Asclepias

that is new: though all my frecions an in fruit and. A transhing shoul two feel- high, with everyour Jolian, i.e. euch grass sit y hours pushisting for eighten mulhs, furt like those of Prims fundamen in that refuel. Imm an underel. - speed & withered flower land I am enabled & with well the question which at first aron in my mind a to what gums this handsome Jung-looking bush muld fall into. I han nice large framens to will distribute them, though they him fruit only and I think funticosa is the last name; or, is this thing hum form place, lifen! I mait fin. Jour answer. I don't think I have broughtless them, a dozen new spices

the munth. Of course Mr. Watom com help grath, + fir the risk, in annat, of comme, wait, you have carefully answered my question about the wheres of the Jenesa Plantanon. Now, if you can send mu the looks, & take your from out of the morning you get from In Corson do that. I have kept in mind your ruggestin, made last winter, about naring mee things for the /ew herbarium. There will ha set y about 400. eficies your this year's gath--ening, for that. Wishing & do no men Them. I could do well, I have made only ten outs for distribution this wasen, & now with the two additional mes which you tran lately around for

partie, in Europe, the list of Inteription, is full; & In. Vary's application for a set; which care tardey, will hear & a. duried. I shall send the set for New, & Atta hinthornia, as you dinct, as early in the season as possible, Justaps within eig weeks Jun this, dark . I shael lother you with a long. letter: 06 famuell. Lincerely Juns Edw. L. Grun Dr. Aza Gray.

Jung Prinos Altos Mts, herile, Otothrock; Microstyli, montina, the men orchids, one a Haberona H. brevifslia, nihi) ern etnigh mushed another which of a genus but known & me, paring the habit of Microstylis of flowers of Lipan's! When can a letter to sent with, fragments of once more men things? On, do I trouble zur h with fering with on rather, with mply Oother possible studies you may han in hand? As Eur Juns S. L. June.

Silven City, New Mexico, 17. Sept. 1880. Folemonium I for for your Coursel, and so I mail some facegments of wheet is mempette a good new spicies, hoping that any letter will catch you The plant has wholly the habity P. foliosissimm, though it is unich largen; but it is guilt as haty, get has none of the stone skussky oder, nor any viscid pulescence except what - the Hours, Indud the herlage's anoth & acenthis, + the flowers on pleasanthy fragrant like som of hely, The plants were nearly hast-

Houring when discovered. as that the large opening which I shall distribute ohen only the habit of the species to to mit. Sout from lower & Catro brunches, I gathered ennesh small hundhes of flowers to go with the prints. The flower you are an wellmarked. The pointed arolla loke do not appared at all hegard the truly companulate so that I had a mind & call It I campanulature, the since a number of spreis han bun named June the color of flowers and since this has a marked color of its own (yellow, with turny red outside), I profen The name to pelvum. Do you like that? Any way I zur I will distribute, & my American correspondents

ander that evene. The tickely con le récalled, un case re or letter name under which to publish the sprices. I am delighted with, The paper in Composition which has just-Come to hand, But him will he I hast morning and composite Is add, hopen the putently longed-for volume gruts no. I have more a Bigiloria, an Artemina, two Brickelling tuo Enfratoria y a Bucharis, new that I feel very sun of; & what else then may be in 20 on 30 plends which I have not getgot traced to their genera, I can into of wresse, say, The Wrights, Origilas & This com not have prenetrated & there muntains when I min fuding nov, as nich a hansot y frin

I drew firth my bundle y specimens, and made a second carpel examination of the flower & fruit. I am now findly thurmyle by confirmed in the Junion which I at joint formed. The staining an certainly thou of Whipplace, The 3. partiduess of the flowers & the one seededness of the cells are also Whippleacon, But us it approan & me caly, capsule, & the seed, when you come to it, are all, wholly those of Hendlera, The influence is centrifugal. as is that y the mpicola wherea, as your huppurs, noval Hours your together, while that y Whippila is centrifictal. W. modesta is heardly more than an herb, its wak stones nelining, and having wift membranous have. Conficola is a hard, rejel bush with a peculiar habit y growth, conaceurs learns &c. + in this

Silven City. Ven Mejico Sept. 28. 1880

Dear Mr. Watson:

I mail herwith a parcel of plants for the herb. - arine, some of which will, suppose, give you work. Those which I either know on guess to be undescribed. I have indicated names for. It lyony told me to make an article in my new species & here printed asthe end of the reason. But, from my not very emplete means I can not always to sun, and. must big you to correct me in any instances wherein I her newly named a plant which you find to a abrendy discorded. And I enclose herewith, blank tickets which you can fill out-

new, do rest lieve them to me in Gase you need to distroy any Mere ane some notes, un some zound o I have us facilities from getting at their characters. y the specimens. 3291. Familiar as I am with the 2 235. Remarkable among Brickellian . Expical aprices y loth, Whipplan ger iti Jelumose frappus: B. brochymulas and Fendlera, and proving 393. I do not ful sun that this that you had published a record is B. Wisliguri = B. Whomicaughtin for . 370. Does not look like California Whipplace from letate, I exclaimed to myself, the moment I saw 1 B. Californica, or I begin to think that + B. Wrighting + many This thing , notwithstanding its 5- menns h mon of thise are all are. flavers to second tendline at lust! But if you are of a different mind I never thought of we composing it with your description of It. who is this? The stems are herbaceous to the ground = 13. foribranda, Gr. . Ilapinosis of hit mailed some of it 379. This way he Microshylis amontana in a letter to Dr. Gray, under the but I grees not. I and you name - Gendlera cymosa. Writing & Don. Pary about the same time my largest & my smallest specimen. 39% Money a puzzle than the Tenclosed a fragment- to him. He unde back. I recognize in zinn alor with apparently Liponis flowers to Microslylis habit. Surry I Fendling cymose The Whipphaa (Mahenois y Watson. did not take can't get the south, for "I saw no more, but this me (As som a, I had recovered some " I either y these little webids in whole from my fit y mostification

1314 Allied to B. Bigelovii, but on marked hold jets own, mon slender, wholh leafters, the choil in question wholly = Billows in treatment agrees with it. This much be enough for mee; I would if you reached your but then were many more new en dusin from imporfect or doubtful things to follow le moterial? to I said, in a and hy. recent letter & Dr. Gray. If you. Sincerely Yours Edw. 2. June + Mr. Walson will let me I will distribute my spicinery as Gendlera Mahensis; if you will not I shall submit & authority, but not in faith. 24.00. I suppose, the saine in reality as the Colorado me, but the prints of this are larger, wellow & polatelle. those of the Colo, bush as small have 50. Og Smilacina sessilitsstia you have The berries blue-black, I find, them crimson & the sprices is therefore confirmed & strongthened! 248, You may find this to be only A. Acaposum, but I can not

find anything to east octionation me the bulb evali & it owns ? he mather decidable obigomators The propagation by Efshoots ending in a bulb is. I suppose smulking uncommon of not unforcedents in the yeurs. If it is as I suppose a good new species, & you have this fall is assured, other new Allia & publish put This in with them. 324. Engelmannis I. Kariccolata is discribed as having arriged sepals: but this thing finplexes, by having no repuls, but \$377. "a scanion vine surrounding the upper post of the capsule! The plants is wholly excet flowers not seen expanded; withered corollas very deep orange color: ". "ime. Make 217. Jeduncho + tercte haves all lying flat on the ground. Their seeming otherwise in the dried epicinen is aring to

the immortal plant having been held by its mots with the tops in boiling nation, until the collapsed I could not be replaced in their natural, position, thousas pale gellow. Findently rave; my about ten plants seen . - Tolerien Minister 313. I have lost my copy of your. moneyraph of the germs, & have you to determine what my plants are that this from the Francisco Mts, sums a wel marked new one, between !. Abertianum 8. E. pharnaceoides I have mailed flowers + prutis y this, in a letter to de Good. I suffrom it is unquestically a good species, most related to Il foliosissimme ; vong large, often mon them 3 feet high! Corollas not expending byond the truly companulate, yet measuring an inch across, in the living specimen. PM Harrison

I believe I neglected & put into the parcel, a spreimen of the Viddellia which I take to h a new species, to I will put a read of flowers in the letter, It differs from the other members 4, the jums known to un 222 not hun corpulor, All the plant is diffinely bounded, the heads all time singly, up the ends of those long peduncles. None young conspondents who from received the ciners agree with me in referring your Whipplea estations & tendera. My Jandiar acypiantance with the two genera, and their grat difference in holit & general aspect, many han to stough prediaposed me to refer this thing to Funding on ground of habit,

Silver Cily, N.M., Nov. 25, 1880.

Dear Mr. Watsen; Sen an notes on some more of my most interesting plants, y which specimens are mailed here. - with.

I No 306. Thomas. Jon may, upon companing pind this to h Dr. gray's I burbatisepola. But the followerd spots on the hours, of the spur-like pro-- tuberances on the petioles are pouts which I can not think unde han ben lift rennen. timed. The fluxes too, are num them an inch long, rather them "his!"

> 198, Chinospenum Juntonin. Thrugh ennesh like floriberdy

ser habit its fruits are different, answring well enough, however, & those of 2. deflexum, which, again, it can not be still, it man not do & publish it as theres. What think you? 1 207. L'assurer: even hay so struck marked, I suppose there can be no doubt alout its ling a species. 292, I at first thought would h Senicio Larryi, lut-Dr. Parry says it is not; & 361. As to its seeds it answers to the description y neither N. hispidme om N. demissen, get, I suppose it much he refenable to me on the other. but which?? :408 Annal, & therefore distinct from J. untifline lut what is it to be called?

J 445. – A comparison mag show it & h &r Gray: B. baccharidea.

213 + 446. There two species are sufficiently distruct; his I am not sun that I will halle to make out the differences, en hes 9 take up finite which Dr. gray has not taken into account of all in his work in the genero. I strongly enopret that the and have characters that's any a turned & good account in distruguesting spreses. 380. I have not seen authentic B. Fundlin , which has acheniis glaberimis", The selulose ones in this & also its world citial scales had un to think it is an undachted species, you must compan

it with D. Fundler however.

Still , having the habit i growth out of question, I doubt my much is the characters 5- merous flowers & subulati Thements, with more than thon of the premienties of culyt, capsule + seed, in this case, all y which latter an Fendham, as it appears The only hint Toward a comes from &n. Gray, hop it who given under circumstan. -ces which reduce it's value and make his words rather anning them instruction. Before I had wer thought of its bring the plant you herd discribed, I sent him a small sprennen labeled, Fendlesa cymosa, n, sh., and, kning his habit & making ern now and They 4 new

untifical genes, in this vodor I said. I trust Zun will but deur it necessary to reparate it generically from fendling on account y its I mems flowers, and its Infralate filaments; it as anything he had wan says, "your tendline cymosa those new to me, and y that Jenns!" I am undering what your and song to my long, but I fran dis connected argument I hope you an rom back in Cumbridge, Jun an greatly P.S. Shan just out of to the Bot. Gay, th, chan's of 1 Delphining 1 And P.S. 7 / Delphinium, 1 Draba, 1 Rites on apreimens in year by herbal them

Silver aty, New Mex., Sec. 20,1880 My Dear Mr. Watson; I have already three letters ahead of this auniting your setum & Cambridge. The first y the three was sent before I had heard of your absence. I hope you will fried that, & reply Bit; I am more anying them ever & know of by any means I can secure a copy of But- Cal. Wel III. I have also ent two puckages, [registered] of specumens addressed & your, which still lie in your post office. No body agrees with one in my transferring your It hipplica Mahensis. & Fendlina, and somebooly lately unites. Mr. W. will over be back in Combridge and then, look out for thunder". But I am not anticipating my heavy thunder, incommed as my fining in the case is not published non intended to he (without the consent of bother lotanical authority them I get have got), except as it is fullished on my tokets. I did that, 5 assert my finion before those who are my correspondents and draw attention & what I surcenty think an the true relations of the shout in grestion. Dr. Jony, & when I such a specimen while a get -I took if for a positively new species, and who, as I frand might make it the type y a new genes, on account of the 5. menos flowers, & subulate plannents, (which priets I called his attribute to, no being at variance with Fundbra a it stands) writes buch from Kew, "Journ Gendlera cymra looks new & me, & of that genus!" at which remark, I am now, more annual than instructed. Sincerely yours, Polow. L. Greene.

Silver City, New Max. Dic, 22, 1883 Dear Mr. Watsur; I shall bother you. 20 doubt, with two many letters, but I wanted to say 1st; that that Riddellia y which I Just flowers in a letter, & which I at Theytime took for a new spreeds, I find now to han hun dracribed, Enly a day in this since did I stumbly sipon the description y R. Croperi, which I had Jurgotten nel about. 2 d That Portuluen scutettata y mine I have been looking at, & considering again With its gamonfulns caly the seasons rimlike top hing prinistrate, makes it is my municipality in Portalaca, by not less so in the Boden, But I suppose one must not found a germs on the flant, of bust- justil the flowers hein hun sum; enge for zomes E. L. grune.

watch it for flowers & print myt- season, my carefully. I made spicenes (August-) y what there was the remaining they obtained no trace of fruit com; the scapes, bearing still the vacountmothers & receptables, an ving much decayed. But then of the hadit of the plant seem to tell districtly what its affirities are. I have been this within making enquires after a complete copy of De Candelly Broknown. O're firm in N. y. will Stain it for me for \$ 85.00 an in Boston Just 87.00. Do you think I can do letter than to take it of the Boston man? Ite means, the whole thing, all occurs adeliting; which of come I want. But I do not understand why two firms ahend make mon difference in price for pricisely the serve whomes, Encerty Jus. Pdw. L. Greene.

Silver City, N. Mey, Dic. 24, 1880

My Dear Dr. Gray, Brobally tus By packages, of 100 opicies each, By my this years gutherings I when by this time reached Rew. If, by any chance, my ones firethought, they are not religated to their 200 places in the I great herlavien befor your of return to that place, I hope you and look them over, and have some thing to tell me about some y them.

Third fascicle entil towns spring.

I have still: do not like to send

The specimens, em to kew, without

names, + to I wait for Mr. Water

& get lack to Combridge to help me out. You have often asked me for seeds y Fundlin ne freda which shoul I rufu is not yet m cultivation, I enclose a few med himself, to be planted at Rew if they an until. I am waiting in authorpation. Walan, alut my proposed transfer of his Whiphloca Estabursion & Atherplan Fundling. The only word I have get received from you, is hardly instructive. It was refun that neight yther fint pagments which I enclosed to you, + which I had tecketed you a new spices (as I then dunaed of) that you wrote Jun tendline cymora looks new to me, & of that genns; which much

shows that you did not neignize Mr. Watson's Retuh plant in my pragments. Hen an people in America who complain that grundly is not a good enough genus for the man! But I am will satisfied with it. The while mays or absurce I gum as the herbage. am my confident will keep it- clear of fulling into Huthocephalin. But suspect I have now for will han when I get flowers & fruit a letter new genns y denecionidea unless the thing from to k a Honogype (!) The leans (all sudicul) monocephalus

A capes only hand in high; flowers evidently appraising ling lefon the have. It grows on the top your my highest mountains. I shall

Silver City. V. Mex. Jan. 4, 1881. Dear Dr. Gray: It is most represting & su, after do long a time of dearth, another specemen of your chirography! The letter of Dec. 10. is just in. I hope that before now you will have seen the excured century gung plants; the third which away not orach you before thring, will be the nichest y all by far, in what I take to be new o ran plants. There are duplicales remaining. I about 100 sprais your yorku plants, including many of the men Thereies. When I can get when they are Kew shall have the best possible reliction from there I do not think I have answered zur ancerning that parcel of plants from Rick. Please send them t combridge aprimer it is most americant Then is no need of haste. Your note on the time Echinospenna is hard to accept, Utut with you at Rev, any faith is just. I did think The "? ursimm" with it's hispid hainness, a mithets univiculate all our to the ony tips of the frickly, was wholly a clearly district from all our others: & I can not see how species are ready in this general, if there of the Colo. S. florebundum and one, The others which I called ! pinetorum looks more like the "ots planybut its mullets are as different as need h! Out of course, they must abide of your dicision. You med not fear, after all the scoldings which I am so happy as to possess in your hound writing, There I shall pring n. sp. withing obtaining your approval

My Grades courties Nev- Mexicana, certainly in that first parcel, according & my list, you do han been collected before; & if collected withing- norts unded unquestionally have been Just into J. Virginica But the long, hisigental, jointal spring, braining olling zellen tuken at its junts will establish the species, The flowers are still amedanimed I've. It is so long since I han seen Bigelina Drylasic that I may han frythen how it looks, but I Juess I were should have discoursed any even in referring & that this gymnoshuma, had your and mentioned it! I never thought of listing up flind characters. Bigelvin juncea hars a fer linear-filiforn hims an inch long, but they an dead & faller hen the plant flowers, so that I have never som their Josh. I de not find my presumolly new Bigliona from the S. Francisco Mts. on the list y century no 2 though I meant to put it in, w I enclose a fragment in this letter, good spic. I follow by If that Asclepias is notly A. Timania, in home another most prooping instance of an actively northless & horse there northless description in the Proclosums. It is described with cucullis dosso ovato processor acuto brevi incluso gynostegium æssilem ægnantibus"

but the keards yourse are oblong spatulate and more

then twice as long in the authors: o the home is not "acute" but blund, and it is excerted nother than included: monorer the "gymostigium" is far frum nessile. I noke alse in mine that the author aires are, for the size of the flowers Junankulle bradth + an witched at buse. I find the plant in a record reason of bloom on Nv. 1. and him In gin zon a comple of flowers, which I hope you will deem if wroth while to south out + employer with some 7 authuntic A. Linana. As for that graphaling strictum" I have not how I come by that name for that - plant -I han four distinct graphalie here, & no names but for one of them. for the second fuscicle you will find a Phoradudum indicated a new, which I nor ne, is Group P. francistorin. I verlooked the Bit. Whipple Ex. in may must for a description I also apprehend that at Pers, may to Journel. Jones Old Musico, with probably a name, the Copresses y the same parcel, which I have called a Arizonica, & which Dr. Engelmenne also thinks will be new. you must retice the prombier (compoundate) Shape of the cirollas of my Polimonium flavour In you tell me for men, that it is not a in that it is not a

particular. The great size of the flowers is I when smething: net to sprak J'the reddish zellow I hope I shall get several letters during your Mr. Watom is not yet heard from almsanything; not get home I appose. Will you are Juyin the inordinate length of this epistella? Sincerely Junes. Edw. L. June.

Or elone suportion. is men Bicumentis of Granti to - which grows in some way, Loren very smiles moderant my of the oriff. Adapis -

Silver City New Mex. Jan. 12. 1881. My Dear Dr. Gray! At the plant y which I now send a capitulum I han worked hard, in expectation y finding a pullished gimes into which it might fall; but I guess then is now for it. In spile of the storne perristial- palac y the neeptach it seems to bling to the infratoriacea, near Carphochaly * Buhu'a. At flowing time, most of the home han fallen, and it looks a sent the five bounches timmating in a head of flowers. But begin flowing it shows

officile hours, comenhalorsentling three of dericome Candala, but mining into a un great variety you this alike on a plant. If it will constitute a Juno I shall greath rejorce in an apportunity y didicating it to my the finest gentlemen of my acquainlance, the walthiest merchant in this Just of the unld, by whose counting I was enabled to make the upension took to those pricios Lan Francisco Mountains, the botonical results y which you will appreciate when you have sur all the fine things I amonght in. I shall put a good sprammer

the ment formed I much to Kew. I am daily happing & how y the arrival in Kew y my second century. Sincerely yours Elle - L. Green.

Silver City. Jan. 12. 188) Dear Mr. Walson; I musthave sent you a specimen of my 308, which appears to me after my careful study, & h y no published genns; enduty 3 infatoriacea in spite of the Junistens poles y the receptacle! If it is new I shall rejoice in a chance of remarding Mr. Crawford's generally in having my expenses to & from those pricios Som Amuais untains; posticulossy as he is one of the fruest gentlemen in the while range of my are grantana and on who will fully appreciale the four confined, I still erail & long & hur pur As hu. E. L. Jame.

Silver City, New Mexico, Jan. 16. 1881. Dear Dr. Gray: A fur days I took a 28 miles walk across the Bean Mountains in a direction not lefore taken by me; and among interesting notes made was this. On a ledge of weks in the heart y the montains was a Brickellia, dead & dry but with the haves on, as well as many popping- having akines: the pappins free as distinctly plumon to the naked eye no think y Kuhuria! It much h an undescribed species: + I will trong to get when it grows rupt full for material. But later in the same day I fruid Kritima enpolinions and my Brickellia Vincentiana, which I hope you have now seen, in that second hancel,) both in the same dead stalt; and upon company akenes & pappus y the two, upon the grand, after months of exposure, I could not trace any differences! B. Vincentiana I enticed had a really plumose proffers when I diagnoul it, but I thought it has has distinctly to their Rubina. But when the whole I am gravely in doubt as to whather I mept & publish it as Brickellia or Buhmia. My our judgment would be that Brickellie is retherly invalidated by these two new plants. But I dan out publish the one y which I hun material, as a Kuhmia till I hear what you think about it.

The Apaches are upon us again after a three months peach. Night before last was slage from the east now taken in - mail obstroyed driver to four passengers kieled!!!

As her Jones Edw. L. Grune.

P. S. My Drickellia Vincentiana was not in either parcel sent & Rew, 20 9 enclose capitala himith, for your inspection ? 2. g.

Silver City, Geb. 2. 1881.

Dean Dr. Gray:
Now I must see if I can ward If the tromendous seolding which you are likely & have in store for me. When I received your note on the fragment y shrubby Asclepias which I had sentyou in a letter, calling it A. Linaria I had alreade sent a large spic, in prist only & New. An Hooken in acknowledging neerfol of the parcel mentioned no other plant y the package but my Asclepia, prinifolia, which he deemed the most interesting. thing y all and asked for seeds y it, in hope that it might from hardy in England! This was a manifest offset, whatier it amosh to worth against your view of its bing A. Linaria, However as I did not how whether In. 18. was on was not an infert in that genus, I sumained in surpruse, and diel nothing, san is continue distributy. & American correspondents under my our name for the as I thought, much probable a sp. Nort. I get the flowers! They were not of win the growp to which A Givanie is referred. The hards instead y bring orale & equalling the outhers " were spatulate obling + time the high of the muthers, and the obline him was well experted, rather Them have, acute & meanly included no that ? A. Luana is discribed. I now felt quite confident that it was only the old stong which

there are a score y examples in me corre-· spondence, y your sepering a sur spicies my finding, & an old one and maisting in if for a year on so, then admitting it our. Armen, I still muld not, with the flowers, which you had not sen) before me publish, assite orange one, fither their veyself had seen flourso, Dolugelmann had get home. It is an authority years he offend D. uncialis nor & his own A, unducate + their to the our A. brachyshphuna, I sent him my my last specimen of flower · fruit y my A. printpolier. He is y the some resolutely conserwation suind as yoursely, hope by admitted this at mee us a good new species. So I expected, with Drs. Howher & Engelmonn, In readily consenting, that you would, up right Jud you first inspension army. I had just get pun Mr. General, a lette hegging for an article from my form. This interesting bush drund to here a good deal said about it; so I added to the forc. char, quite a lengthy note; and sul- it to him. Four days after I had mailed it, come in second letter from you, repeating that my plent was only A. Imaria.

I throught I should every to me home, to & I write to Mr. J. at me tregging him to wethold the paper, at hast, matil I head heard pun you are the flowers, after which I felt assured you would agree with the. To my grad- surprise and dup frain, I enos too late; the paper had you to preso in the my day of its arrival; I when my letter of four days later nached him, the Bulliting nes in the hearts of subscribers. under the circumstances, I hope you will not greath flame me, even if my species does not hald. But I still blim it must stoned. No such hoods + horas as this has, an ascribed & any Justished spices whetens. I have withen & countridge long since, & know where I me to do with Mr. Corson's plants. which are new many ready to send. Mr Watam must be in Combridge, for sustern conspudents tell me of having got from him the Ost, Cal, Vol III. I, in despain y heaving from Mr. W. at all, sent to S. Francisco und longht, (while 9) eneld, I was glad to know I could by at \$6,50) a copy y the desired work. I shall have to wint for you and composite before I can pring. This Amstoria. I find to account y: Though I gues lut 3 space to you must han this present at Bur if it is good. Ho Eur S. L. Greene.

Silven City. Feb. 4. 1881, By your note on Carphephorus in the O Broc. Am. Acad, 1833 which I have just ben reading, I perceive that the Ruprioid Composita y which I lately out a capitalum, duning it y an un-· describe gerns, vill easily ha Carphephones, & for anoth I know, y some well known spices. The corollas are zellow! E. L. Greene.



Forf Asa Gray
Royal Gardens
Itew, near London
England

Silver Alj. Feb. 8. 1881. My Dear Mr. Watson; It is very refreshing long a time y drarth. The Bot Cal wel. III Danne a nuk ags in perfect condition, I had already bright a copy from California, for as som as I heard it could be lought I look no time, I have not understood That - any copies were to be distributed gratuitously, but no bill come with this you sent. What is it? If you have for disposal copies of Vol II, do tell me the price, so that I can said a pot: gra order, paying for the two us- one sending. My extra apy of Vol. # 1 I have on spportunity to dispose of here in silver City. There are on two of your notes on my plants idea of the while flowers in Biles fleplanthum is from what I have man git in the regime whence I' was first obtained. Thoughout Colo, N. A. My, I have never sun if y any alon but white (which in drying gets a tinge y green, but int y yellow) as in the prayment I enclose from the Maydler MG. The culifornian var. (!) brushyou them which

pyer & W. With you ask law & take the per the fire per the for a such that the per the for a such that the per the for a such that the per the former of the per colours of the such that the per colours of the such that the such that the per colours of the such that th If take to be a good enough spicers, how flowers Tringed with some, but otherwise white not gellen at all I am some to have seemed & I contradict; but free the original shouts having always white flowers, I suffered the character would be constant. In gray asola that then we in his harlaneer no yourd I flues of the space. Orgalina juncea you will find to ke my distinct from B. Bigelini by its welms atomes. There y the letter being entirely amosth. In your admits my species withing heaitation. Alust Whipploon & Sendline thank he now says, m having rained at Run, my but sprenners. One Com see that it ought to he a Fendhan and not a Whipplea, were chough the Meracting the primer gives has to he altired & admit it. In habit and me change Culyy & capsule, as well as med, the two general are apparently as distinct as can h, accep the letahensis" should is in all these points wholly Feedlemen, Dut they in Higher to stammens is is like Whoples is just a time. Still the prefundamen of prints is decidedly, is is you good folks get at author lig vol.

fortser for 214 which you call Millings verticillata much he another spices. M. verticillata grows here, but only along rayrich to as if introduced. This is you different habit hing exect, though apreading not its brunches to that in the dried specime I may seem prostrute. It yours on hills in out woods, on on the open planes, I find no the Mollings attribuled & this rigin. lut this is to common that "I - Eur not believe I am first & cothet to . I much sun distribute & my correspondents, this & many other by witheled plants, & my companions, as, sp. for I am son it will held district pre urtiallala. His un glancous, as you com su prun my yrreger spranner, I well hot housen, print it cuthout - promision June ether yourself in Dir. Gran I do with you may have time to look it it again Er vien y moral Mexican sprcies y Cuprones to one of which the CHongunia man he found to bling, I have it to you to disprese y as you have give ander my name, & can write of this all to suppress it if it proves meaning in desirable to do 20. Mr. Sorgent can stem you Sinarely Juns.
word, bark, + Cong the Silver & Grunn.
Crippesons;

10.1 ブヒン . 16-2 - 57-445

· Silver City, N. M. Feb. 10. 1881. Dear Mr. Watson; I am now sending you another small parcel, and for the print, the final one, young flants. With your referring my 185 & Amarantus allus I am not at all content. The state of the s The plant has the prostrute habit, and the general appearance, ester + c 7 A. Phtoides & when I allected it I thought it ought to be made per hops a van crispus of that spicies. But I now plien you will find its upm ann careful examination, a district epieces, N'il The atrough crisped margins, and the britle pointer The plant is not my commen. I send now another brunch. I have plenty of sprainers. The Nolina I have sent I took to be N. exemples for the reason that it's points burst ofen long long lefen the suds are ripe ; to y this is much torper (as of course you much know) it ought to h trumpered of the this notion of the going, I thought that - "8 chinosperium assirium" was and marked of the municulations which com even the prickly ythe prick-, its size and hispid - hairyness too an, I suppose remarkably, but-I shad, y enne do nothing more with either of my "species" since you who an more Jamihar with the gener, hisitale about them. Sincerely Juess Edw. L. Jouene.

Silver alej, Feb. 17, 1881. Dear Mr. Watom: I did think, a week ago, that I might for this winter trouble you see surve.
but to day I have been at work on my
graphalia, and cour not see my every one y
difficultie, enthoug your help.
My no 362 you called "y, John cephalum" Nor I send if again, x by to know of Jan not to be confirmed in any suspecime that yun "Julycephalum" was at a run ship y the pen? Did you not mean & say decurring , I see that the leans are decurrent + indud I can find not the dighter difference between any plant & eastern specimen y & decumens. 460 9 take & h y sprangelie, it is what I han always understood to be there- or figuring from that basis 397 is is in not central deficient, amething undescribed. Its above an only about 12 the rige of these of G. Springelli, of the involveral scales are of a different shape t color; moreour it has not a trace of the grayrance of that species; but the most obvious mark y the species is the premion sligh y inflorescence - the way differentarrangement of the heads, - like a Filago, on like some of the smaller species of the same germs. The greenish have of the reales seems & engers a good name, Bus you may find amithing like it already named, in your great them have, & I shall up dan to print until I hear. That Hymenspaffus I certainly collected also

in 1877, + 9 think sent it; but I have as name for it from Dr. Gray, I find and account y any such plant anywhen. Do you find it with you, from any other Cellecton? Anghas Dr. Gray left a M.S. now for it in the herbasium? If he has and. I guess I will publish it under the name which its prenties habit megests. I am going & make anguing, through the But you, along the color y Robes leptanthum grotting what you say, to see if with the help of drovers in different localities, we can get out y the tangle! Very Fourt Jours Yelw. L. Green.

Silver City March 3. 1881. Dear Mr. Moutoon; I have, but the book set yet. Begistend matter does not get along so rapidly. I shall look for it about two days hence. I enclose sur a h. o. order Jen the \$11.00. Those two Abriplices & the plant of Just -I s miff to them when affinities I am by no munders, but no names, One Atriply but I did not put at all culture they is me that. I was only ask that when you get to I the stody of these things, & decide what & care Ahm you let me know, so those I came It is send the names to those ampendants who han name oframe, In finding, last spring the original selfhimmen safulorum I thought I seem at me that what we had how taught to call & that name I in Colo. + Calif, 'mas a distinct-reprise, v. 9 30 Do meant this winter to find out; if humite the I schaructures, But I more grows you have the druck, Des your recognize & include in your De will fraken to bother you with questions. E. G. Grune.

Silver City, March 2:11881 Han just negistered to jun address two packets y plants for M. Cosson of Paris, which In your has been calling for... At gan us directions along sending: to I follow those y last year & rest to be done of this who know. E. J. J.



Mr. Senens Watson Botanic Garden Combridge Mass. Dear Mr. Walson: "That I suppose to just sy was atolen from me 4 years ag, & I could never a get another: La, that of rol. 2. I had had one brught, in Cal, + sent me lefore I know that I shirld get me from you a that - } When yours came, it made me the possesson, 2 copies of id, 2. This morning I am 4 and were play possession 3 3 g vol, a & and a which came this numing Please and in well, I have ling been meeding.



Mr. Se neus Watson Bolanic Garden Cambridge Mass.

· Silven City; March 14, 1881, Dean Mr. Motson: This Javon & yours dated March 1. Justs me me good humon again, Thursh I know I did using if I did love my temper on the arrival, the other morning y a 3d capy y Bot Cul, vol 2; when I aras auticipating a delightful mikis work on Cal. plants, with the help y loth volumes of your supert work. I had as reason in are & expect you to remember what I had unten a half year ags along the loss of my vol ! x my want of another: and I men thought that my Vol. I would ligible as meaning either Vol. 1. or Vol. 2. Will, The allecting season bying again, this my week when I am , and herbarrown studies will have to 3 h dropped; our that I will this with with out & rend to Bot Guy spec chan g abruf 8 or 9 mire n. sp. in which mile not hinched the Amaranters enspires. though for reasons which I will not talk y now, I it. I'll su, by & by.

My declife principle, which In tenter thought a very the a very the contact of the things are as the contact of the things are a principle and the contact of the contact o

The Cupresses two, I shael have to you to dispose of as you, on your etudies of the genus, Jon I am afraid if might ha a known & named Merfran of. Neither don I fromt my Aymen poppus whistus, though it is clear these two sp. an included (this is me y then) in In Go A. flanscens, It was because he wild have the which me to k placescens that when , at last I found the original Hursans" I thought if must be new, & called it H. mulanus. In. Engelmann confirm my liphorlia unscolor & Limen Neo Mex. as god u, sp. het, misable dicta, and have Talimm humile & ha variet } his J. aurantiacum!! Stell he will come to the potent touth when mee he thoroughly. lostro al luo specimens. you will have now in Bet Juz. that - I have Jenuted with the Bigelovias. I did not do this in defearce of your furin that one was a van y Biglovii and the other B. spathulato for Dr. growy, hearing seen loth worley that They are good spicers, and he knows more than we do about these things of course.

Silven City. Mar. 16. 1881.

Dear Mr. Watson;

Jour favor y March 4 is at hand, and we will have to leave the Gnaphalium affair & Dr. Gray I guess, I have called his attention & the un characteristic arrangement of the heads in my proposed species; but I did not, I think, allude to the akines which are hardly min than half the sign of thon y what I have always taken for G. Sprengelie', basidy line of a darker color and perfectly smooth. I presume it may save you some trouble if I send ym separate lians y my new species, which you can kup together for reference. I had rivided last numer, when I began, that by this time I should have, in my season's harrest man 30 under could plants; on I might have seen the proposity y saving them for my article. Indeed I had no idea then would be half that number. All which I have published before are the two on thre species of Asclepias which In. gray has summed up in his last paper in Proc. Am Acad. not including the later A. pinipolia, which I fran mill be only a syrronym; through it original

A. Livaria can h get at with artanty, and is found & how such hords and homes and such sparse Johneye us are ascribed & A, I am very Confident I will be all right with my priniplia. Amerin, the hope is but a full one ut present. I hag to trouble you with me more composition; a thing which I have not get sent to Kew, in anywhene else beause I mit for flowers which I think will be likely & appear in April. Thorning, as it does, before he have appear, in the manner of Fussilage I expect it to prove trely anally of that genus, and, unless is he the manel y a Homogyme on the borders y Mexico, itwill be of a new genns. But again, of any Mulisiacea hun that halif y anding up their scapes and flowing in advance of the leaves, it may blong there and ha chaptalia. Mun you have lissure will you look / particularly among Mexican Mulisiacia) and su iz such a plant is to be found then. I shall never rest of until I get a genus for Mr. Crawford, whom in & are so much to, and who will help us more and more to long as I am his neighbor. This plant is outalpine; growing on the coldest, northerended olifer of our highest mountains.

Dear Mr. Walson; At the time when it was "Index". Now, I can not tell white how to send for it. Jun can tell town in case you have copies by you, please register one to me and mail a lill of price (which I have forgotten) to postage. Sincerely Jans Polis L. Greene.





WRITE THE ADDRESS ON THIS SIDE-THE MESSAGE ON THE OTHER WILL

Mr. Sereno Walson Cambridge Station Massachusetts.

only glandulan hainy, you will, I know stand aghast or else In temped to tell one I think know what gens I am talking about. I hope to secure the fruits of both so that in com he musi what is to be done with these. Forth only me epices is in this regim, yet tothe leaves and overies . men strongly dissimilar. Don. your, asks if I am likely & get as many n. of this year as bush, and I see in reason to doubt That I shall, if I can only get to the places yet univisited. the great mountain system has is The Mayollon Range, into whose pills only I much last your, to that in mid-April, hat brought out druba Migslowica, Delphimme scaposum and, no matter what there. But this your I much get to the aplen summits, yes, + the men hen, As Eur yours E. L. Greene.

Silver City, March: 31, 1881 Dear Mr. Watson, These stamps will

suffer less those the volumes did in traversing the continent, so I start them lack again! I think you did not see the letter in which I find made know my interese desire. get Bet; Cul Vol. I. But in matter, It was only after having received from Cal, the copy of vol II, that I authorized my consepundent & offen as much as \$15,00, of newson, for a copy of lot I for me. He then unte back that he was confident it ended to had (had been represented) at the original frice, y addressing you. Then shortly often that Com the Book - Gazette to with with whenes advertiged; I am would, and

all such good news an elate with eastern people before they reach us here. Well in a net I shall hope to see in I. My after why y wol. TI, some me will arme along And went before long. Dr. Gran's letter informs our that Dr. Cossur will propully send you a postal order for what will have on those plants. But who knows what the amount is to k. I sent hum 600, a year ago, pera Cal, x Col, and get but \$42.00 for them, which may perhaps have been enough, But he can uch get much more from me at that price. All my last peasing collection is gove at \$10,00 per hundred. I do red here when Dr. C. in anylody else in currefu should have then for less.

The nets are arread, and certainly ven rich m m eh, Dn. C.s was a small ret (250 Theres) and In your unte a year ago that for these A. Mex, plants the row unilel willingly pay the highest price" If I tell you that a man own in the S. Francis co River, bundy within The custom borden of Angover has sent me a flowering the come of a Megarhiza whom that characters sudicule a nich, you will be as surpriged at I was at the andden expansion of the grographican range of this geners. If to that news I add thus this days since I found in New Mexico, another Mezashija differing from that Arizona une * all others, in 8- lobed heaves if it would not be spring, he

16 tapr. 1001 1 mayor with Caloch, Greening & if a known spice's, more possibly C. nuncinata, H.B. 18. My hope y its bring what I provioually call it a now, gen. Crawfordella, is based in the probability y its bring not a Mutisiacre as-all, hut- more relatiel to Turnlago + Homogyme. I much next mak, climb those summits when it grows, whence the skrow has het justdisapprand + zeing I get the flowers. I know Myashiza too well & h deceived as to the jums of their new carcurlets. I fear however that the business will be left in lad shape, if I have her within a month, for the fruits will hardly h full grown, or half your by thus time. The manst locality i 40 mily away, and in 4 carion into which use his a skillful churchen I shall have a vice hundle y specimens to contribute to your herbal then, before I go huna, I hope, he Berkely, I shall have a rest from litary, & yn a reliefe fran my neterminable efistes. Address me at bilur aly still, for two or three weeks, if there is anything to communicate, in i I can do yn ang enant. As Even zures P. L- grum.

Silver City. N. May, 3d May 1881, Deur Mr. Watson; I have just- come in fram 9 two weeks absence, to find your post- card, and the Index awaiting me. Please find the \$2,35humith enclosed. I also register to you a small parcel of plants for the gray perharium. Most of them are through which I take to be in sp. but if you find me unneg in any careo you must tell me so, I so keep me from making synnyms, by publishing, for you & a lethered with hereafter. Dr. Gray last gear undd hardly believe my Draba Mogollonica to be perennial. I now send a specimen which charly proves it so, notice the portion y a last year's scape still adhering to the Senecis Cardamine I see from the look of the dried specimens will not easily excupe being referred to S. aureus, Forms y aureus abound in the Mogollones, but now y then approach this of all, in the aspect of the living plant. The leaves lie flat upon the yound, have a texture und a denticulation of their own sort, brides being patch I care to had me sign of flower on had on scape, and I said to myself a Cardanine & · Jersbally new " und was amaged to find itafterwards flurring as a Serveir. It hop do you think y's for a spice? I have no doubt.

I do not bee were is a for the one to muricipa, Porture joint the course The 2 Megarrhiza y which I wrote, and but me. though the fruit varies from mosty amouth to very prickly. Herresh means to M. municula of any, it is still very distinct. us I understand the opicies. Refu seeds an set yet & h obtained. I accoment this the most surprising thing & have found in New Mexico a mon than a thousand miles away from all its kindred. Fraginus dunosa, scant material en u hich to found a species, us doubt, but are not those unes y the branchlets un distinctive? H's a men bush s'ort feet-high, much branched Juning thickets on dry slopes, Floris had affarently han killed & a late frost. One branches, (with simply leaves) is from the lover part of the land the lover part of the lover pour of the lover Phacelia carulea, Formery 3 specie un conformales in P. crembata, Dr. Jray, at my instance, sparated what is now P. Arizonica. This we with very small, blue corollars, I am now man is distinct from the plant with large notesour from which The character of Permulate appears to han bun chiefly drawn. I carula is distingting from that by it is pale the corollas, not more than 1/4 or 1/3 as longe, the margin always muntily constate, the sturning + i very smuel + unt, (in the fresh spec) at all exerted. It is , upon the arrange strice us large a plant, & has a string but not disagneally odor, which true P. cremelata

when brind is disquestingly fatid. Buth are D'e aliver y my runing together. Rules Mogollowicum, has leaves with the odor of K. nigrum, is six or sever fut high; and come to the regions will probably find it braing a black, palatoth fruit. As a spice, the flowers mark it wel: schools not refleted, non even more than companulate-spreading, very eleganthe vined with purple himes. Had the flowers hen a little larger I would have called & B. parmarsia floren I still fail to get prosh fruits (I am always to early) y my Astragalus Mogollomans, but is is much 33 a n. sh. y the Mollissimi, Some of fruits ya. ... former year, picked up from under the leaves, mean the root, there well enough the character of the Eigene, which is apparently not more than half the rige of that of A. Bigelovii, + of different - whate, I may get get wer fruit - begin I lean these parts. I have obtained this year letter flowering spranners y Delphinium 2 caposum, v in a single instance (which I and to you) with handsom fink-evloud As Ever Jours E. L. Greene. Address still Silver City kup, Rusbyi = x. anjonisus tellgeriahen finstonen much be tigitatem

he flat refun the ground and han so precisely the look of those y Cardamine Junpuna when I first saw them, to had not get new flower steering I thought I should have a new Cardanning & was neven more actionshed them when I found the thing flowering wito The Magarthings ocens to my to be the most surprising of all the discoveries I have made in M, I do hope you will find the ters francelo y last fact, amounting guer return & Ken, Address me now at Berkeley, Alameda County, California As Alicens from Port. Aser yrukj.

. Silver lity 10 th May 1881, My Dear In Gray: Perhaps it is quite too early to be sending a letter to Kew; but I write now, for the reason that, for a much or never I shall hardly have another opportunity. no days hence I prope to set forthe apor an expedition through one of the heart known sections of the Suthwest -: I am your across the Mogoelon Mits (whose and alpine summits no botanist has seen) there of the Rio Sem Francis es, to its source in the While Alts, across that runge + during the dittle Colonelli, until I am opposite Poss cutt, there & That city. Then is no road

exapt for perhaps one third , this distance, hop good Indian trails, so that I can take a pack animal, and tring in anne specimens. lef course I expect to make a this trop a con interesting collection. When I get to Present, I many either proceed to face Frais-- cises direct ly stage & rail, or of there can be taken for a ling a jeremen " even land" I shall continue to follow the trul, until I have crossed the Lierra Wuada, I doubt if you will regard to hour that I have recepted a case to a postored charge in San Francis es Ben, lub it is to. I go to Be skely . but I have this delightful New Mixican botaning 12 ch was retendently. In one of your latest letters

you were undering of drening The Coming Rausen I har gring to pick up more in the to feen I have done down letter in that very them I did lust. Lus trips already made unto section, y the court on who were let dury year, how mouthed in 6 - perhaps 7 or 8 new mes, I shall try to med to you, to-- murrow, a simull registerel pareel containing all of these. I hum abrewly sent them to all to Alm Western for your and want kew to Contain I ruther humanight am to hear that me, Senicio Cardanine in the dried specimen seems to you to a reprable to do ariseus! The Mogollows abound in princes y the kest named sprais, but seem of them approach this. Its leaves

3 or 3 as large us there of municula, and in I publish the thing I will call I-Migilenois, for its habitat is the deep-sandy shows of The Tile Prier and its tributions, in both St. My, & Arizoner. The have han mitter the municali appear - non the glanous under-surface of M. municula, The Jemule flowers have abortin stamens The un small prints an usually arm afring, solding nearly smooth, they an also always 4- redd, and the seeds are much less round and rigular them there y M. municula It is time, I think, for us to h upretry auther "contribution" from you! Sincenty Jones, P. L. Green

Berkeley, 15. th July, 1481, Dear Mr. Watson; I have a great many forms of Golago. num imbricatum, gathered in Jour different actions y its wide range, but see nothing approaching what I nor enclose & you in the character of the stepules. The akenes too are perfectly amouth and shining, no I find them in no afraince y undoubted Pintrication. The plant occurs among sure sprenners grown me from the grammete by Dr. Van I will didicate of to him as a spicies, unless you

in zun collection fund intimudiale forms which Justiel its reparation. There are hundles of planets Jour Ensofu for me in gun can I blieve. Can you send them to me portly own! I suppose they on too large to mail and will have to come by enpress The will also h charges due in Them between I ten and Cambridge no doubt. Can you deduch the annual from what comes & me through your hands (us 9 suppose) form &n Cosson! If so, it will save some oreming to and for after mall pr.o. orders. You were the only one y may conspondents in the U.S. who neved distand & accept my

Senecio Cardenine for a species. Dr. gray confirme, it withingany hesitancy, and thinks I need not four that any one will name to four that any one I amount.

An N. Mex, Meganhizer appears & me will distinguished por M. musicala in leaf, Hoven, + fruit. In the latter the lay is glancons leneath; and the print is amidwell larger, and amosth, or enearly If my plant has been fraud so for nest in Asig. as you assure me, there my proposed nome exilis will harrely to approprialt. Dr. Engelmann who is struck with the owned size of the fruit suggests mien carpa: but the fruits are

Berkeley, July 26.1881. Dear Mr. Watson. Already I begin troubling you with proposed additional ofices to the Bot. Cal. The two Navarretias in the little packet sent himself will perhaps he found with you, but probably amongly placed. The one which I wish t Cull Gilia Beardleyi is no ranty, but occurs from owned localities, in the Cal. Acad. Aprilanim, and is there confounded with y synamosa, Jun which it is droting - as can be.

The one named of heterodoxa is nearly approached by a good many forms, in all except the most unclame ther. -action of its otamens. These are not only very emegnally ensested - too much so to allow of the plants bring a gilier at all, unless up hust a ansiderably frash y Collama is & he given who - but are long executed and as storngly declinate as in almost any Polinonium. Of this strange plant I find no trace in any of the husbana, and I right not having obtained any fruit. But Dr. Harry who has purses & go engulari, & who was with me when June this, promises to much The afor som and you this durind older spreimers. Han ign if af Combredge?

The Aplopappus from Engu sums any unlike any opicies know to me by ofucium or disconfiture, yet I dan set publish my now for it until I know that - Dr. your has not gothold of it and named italready; though I appears to her lun collected since he life America. That arboneurs Isombia think I have cornetty identified. but it is not important -, since it can hardly be deened naturalized him, whenever it may have enne from. Vin Joule Jours Edw. L. Grum.

Beskeley, California 5 th Ang. 1881.

Dear Dr. Gray: I have heard that you are expected at -Cambridge in October y this year. If you are & return so som, their I must rut mail & Kew, hy to Cambridge, a parcel y plants, which I have her gathering in for you from many Junces, muce d'ecum & California. Many new opicies an brught to light um in California, amma

which I am most anins

to have you see my Kaillardella crocea, which has the naturel scapes of your \$1.7 that genus, with the deparate involvement deales y your \$ 2. , thus distriging your so entirely; but the hat thing about it is that its hairdsom, broad currente, duply 3-cleft rays (!!!) (saffron color) being the says y a Helenivdea indicale the him that tribe if I guess nghlf. Army 3 new benecios is me from the upper Columbia 6. Hvulli mihi) & go by the side of the S. Greenes with briskly tufled cuspidate otyle-tips. brushy, still on or, Mex, has her worded by me

into the higher Mogollers, where he has sent me lately, briefs a half dozen other things, a new Primula which Jaish rivals I. Jamje in hand; not more than half as large in haf & stem, hus corollas rather lenger; calyy white farmon, have, differing from those of P. Carry in that that are very conspicuously denticulati, So you much till me when you will have a might intensting parcel Ven Touly Juss. Greene.

them 10 per cent y which have.

a, of.

Dr. Gray, why new to

edlect the tiel for men,

mes duly informed at the

time y meding, but had.

y come, to st.

They Imby Journs

They Imby Journs

They Imby Journs

They I forms

Berkeley, California 6th Aug. 1881.

Dear Mr. Watson; The puckages y plants from Dr. Rick are. safely at hand, for your ounding y which , a, well as for your letters und the various herbareum croands you han dem for me I ful greath indibited. I am in despeir a bout those milkends, I kins tus any distinct species, both. y which an referred & A. metala, while the grustin of what is original A, unhalata and apparently received solud ha refrence beny

The Candollian Collection.

Decaise eary , at the thel of his very insufficient description v. sp., in hert Wall," You appear to han whiced, what Dr. Gray rall the resthave always or stooked, the, close affinity of subulata, Im auth lungicomme Buth. The Podosterma & of &r. Joney has not only me hat 4 Aprècies manuel, la gironne, Buth, Wrightin yourse subululu (For's Ment) and my ctaginifolia lyong. the sicaire characteration . which I is the long solid hords All these species her present & Dr. g, site time y his withing up the geners, yet he was so far from looking an them cloud, that what I have published under the num Wrighti he had

not distinguished form hnegium I have at lust provailed on a very poor collection, busa vin preming and hard wishing Jellow, Rushy to go wite the higher Moyollines in N. Mex, when I could not get lust your. and he made me thence a ving rich hundle. His Franka & think Jank eclipses P. Parryi, in point of bounts. I willow a sprimer new, in advance y the sending y 4 larger parcel to contain many nevelles, anning them not a few Californian ones, Dr. Corane ours rue \$25,00 for 250 y may my chincest N. My plants , more

and parkages my - any. 22 " Thus for I have Earght it + ml 12° shamps. in bain, in the Houd, harbaring I am ging & leg of zon un Berkeley California 13 th Aug. 1881, men great foror. Will zon before their who there I recke parcels, search in Asclepias Dear Mr. Watson;

Your letters

I ful 23. + Any, 4 and

The ford me.

In regard to the package for a specimen y A. Autulata collected by me as Colo, Desert Calif, in 1877, and send me I fel way seen the flours of y plants from Dr. / Eck, my plant are uttimely white since you are so kind as to then y the plant which yo for magest it will you take A. melulata in the historia; non whom yourself the trouble do I blien the & enbeleiter of I dividing the puckage into For som, is em that y Decaise Do me the kindness since them 2 and mailing them? At all events I melon to ask me to hunt up things hunith stamps for 2 for you out him. 4 lb packages (registend), Lencenty Juns P.S. I shail som han a package with the signest that you mail them, if you have time for all these things. for the Comment. Instance.

I lento Dr. Joan that I much han from Dr. Com #25 00 for thon plants and sup. - frond the money would be out, as formerly, to Carnbridge, Leshaps Dr. Your will have received the money in Europe. We may us well hait and hear. Yes, the plant which I published as I haveoles paron. his. I took up find to be a Coloquina the flowers were no large and had as decidedly the luk of those of that genne; . hat a fueling & pieces dis. - cloud in charmeter y Phaseolus. Well: I am glad to have your positive assurance that my proposed Gilia Brandslage, is just y cotulafolier. But the suggestion that my "Effice beterodofa" may probably he included in Collowin

petrophylla increases, upon The whole, my perplexity in regard & November, I thought I knew C. heten. · Johnsolle perfectly, It is com-- mm, and so for as I have our, not my variable. But, there is us un in telling our, in ink, the story of my perplexity. he my search after a discorp. - time of that oplopappus from Amel I certainly Juled & alight upon the discription y A. Halli, + had Jungottin for the time, that - there had hur such a ofrcie published, Now, Inmender, and guess I know when it was printed. If I wer meet with any scrups, I dan out appel mon) y Dr. Kellogys Corrales Junticosa I shall send you some.

= . A. verhinillara, var subverhicillara

Berkeley, Cal. 15-The Aug.

Dear Mr. Watson:

Here is etill another Asclepias June Anzona, which appears to be new. It is mean & A. Mexicana, though enf. - ficiently distinct by to twice larger flowers, should halet and leaves in pairs outher Then verticily. But I dan not trust to Dr. Grays description alone for my assurance that it is not his A. Schaffun. It is for indud from answering thereto, but I wish a com--parism & b made, and,

in Dr. Gray's about ce, upon

when can I call but

ymouly?

Sincerely Gener

The L. Green.

,

Berkeley, California 3, 21. Oct. 1881.

Dear Dr. Gray. Grun letter written recently from Ken carrie in some days since. I now wish & day that the plant in my parcel uns awaiting you at Cambridge which is ticketed berneio Rushyi grune I now believe to harly a very young state og S. Bigelovii Gray. I never thought y such a thing antil, in response to my nymest Mr. Rush, allicted & sent me maturen ofremens. These last at once you the impression y S. Bigelovie, though the

heads an considerably mallen & more numerous their in any other sprenning of that spices which I have our and possibly it is district. I have not yet actually compand Rushis plantwith any good Bigelori and it may he that in the mirohnere there is a good operfice chan--aetir. My best find of this year no her made recently in ynn Lagophylla Jilifies. which can more easily be what H. Y. A. muell it - i. e. a Hungonia, then a Largo. - Julylla, fin its chaff is a 12 - toothed can't, But its akines an elegantly crowned with a little saucen ya pappus utto

Esembet morgin. The sort is not only strictly perennial, but struck shizomatons! It will constitute a good generic type. I shall mud zon a min Thecimen y this, and rown they interesting composite, when I have done my study As Eur yours E. L. Grune.

plifes, tt, x & t Lagophylle

plifes fray, a thing where

fruit, and whose semaskables

personnal, shigomatus note

d'ann the first to re.

Buy I must not chall or gosaip!

Sin circle yours

Eder L. Greene.

Berkeley, California Dec 7. 1881.

Dear Mr. Watson: Our friend Dr. Engelmann is exercised a little on the onlyid y the genus Corpressus. My C. Asizonica has this year hun and I him by Bush, Lemma and h Fringle. The doctor like not a grouphical name for it, but would han me call it Combra in C. erythrocaulou on C. erythrophlaa. The chief objection against making the change I concein to h this, that

specimens y my collecting an, with my MS, name C. Anizonica green u.sh.", in nearly all the herbaria 7th h. S. and in several European mes / Ten QC). It is thenfor , or a man. - run, published. Should it he printed ander one other name of seems to me that in that case enn, the situation would demand the gritation of C. Arizonica as a symmyon. I am still as for as even June tring afte to throughly satisfy my self that the tre is not identical with Inne y the named but little known My, species. Therefor I do withing more with it, but have

1- 5 zur non. Engel-- anacer, on & whomsoever The task of managraphing The gener may droster refere. Wheel do you hear from Mr. Cosson? He is un slow pay! Shall not some of these andin months bring to up some Contributions Jours gy Bar little Form, Bulletin, for Jan, a rice butch of new Cel. compositor lately, and have lots men on hand. Jam Enday slowly and carefully, but - I gress sunly getting of the character of one more conferate govers. i.e. Arlogonia. The Henrizonia

the plant shall have been of. - tuined in flower. All the okenes known was culled leaves to which they were adhershing one could not the short - belong with the placed ! hus the inference is a ren Jair one! In a little parcel which I am now duding you is a Mogollon M. Composter which you will doubtless fried most restricting. With the look of Hieracium, + with the Jeller flowers of that - geners, it has more of the technicalities y Crefis, get I know no Orifies with each akines and fraffins, still of mes it must go in that gens; the ord akines are yours, or is not their thate strange?

Berkeley, California Dec. 14, 1881.

My Dear Dr. Gray: your notes on my proposed new compositor were very gladly received some time ago. In the cases of "Madia Pringler" & Herrizonia Toristici I had myself arrived at The succes conclusion as yours, i.e. their The frames is hardly more Than a van, y M. Bolanden, to the latter scarcely diserving a run as a var , the punglas. Your ofinion that my Bigiloria glutinosa i a firma of B. Menziesii I can not. howen, accept. I think gun much have failed to obser

The one character by which of will easily, Idoutt not, maintain its rank us a species. That character is & h sought in the scales of the involucese; these, in B. Neurziesii have flagthen, green herbacers tips; but in B. Hutinoea the scale at it tip is awollen out into the shape of a globular policid gland which is filled with resin; these glands, ohrunker and discolord in the dried The cimen, might le von--looked, as to their true chein--action - might pass for bring green - herbaceurs; hot look of them with a good lines, and even in the day you will see plainly what I tell you. I have not compand The fluers get, microscopically but Whether they a found

& differ or zel, & Think you rule agree that the involveres alone mill do & defend on, for separating The species. Then is a marked unlikeness in the habit of the two . Of glutinose is a very different and compact bush, whose sterns regning & be gathered in handpuls, and afterwards fulled afast with care, in order to more neal specumy The sterns of the other and touching each other. of Characti soutolinoides I sent you the letter one of the two opiciners, to that - when you can not find out along. the cirollas june that, will han to a waited for until

and I suspect he has sent you smething else for that. At all events I endose besenth a single head, taken from the only specimen Ferr had, Examine the style tips and on the fringe, and the central bristles thereof: I have not ever been any of the species which you here in this late letter preempted! I'm that you are us-home, I shall. not he likely to be called on. to name proplis collections. I suppose the 5 lb parcel from Mr. Ball will have & com by expres, the others by nigistines muil; and I will return & you the postage. As Ever Juns 8. L. Greene.

There go in also two mon demizonias, The hig one I at first tickelid H. Juspida n. sp. but in the fruit I could find absolutely rolling & reparate of form H. Donglasii: still I am not satisfied grate, to less What do you say! The white - flowered one of Cleveland's finding, I Alfind took for what we had so long snight, i.c. H. angesta, hur it does not al all accord with An description y that species. The plant is not ver to me I obtained it sugget, at Calistoga, ny late (October) in 1824.

but do rut think I even surt you spicinery, I know about Hunizma in those days, My spicimen of expect to find among my hundles which have been in Colomolo, stored any since 1875. The opicies oceans to bring into closer gustaposition A. hizulæfolia v H, phunora Then is one work undescribed Herrizonia in the Acate, Coly. allection, an well recorded. hys nearly distroyed by innels. I will ton to lorrar it & show to you before you finish up these things for the Lyn, Feb. And new, to pass from Gennigen & Gilia - I ful in the parcel a sucinum y what I take & h your y. inscidula, and mys

to it a proposed u, sh, as any like it in uspect that the two may easely have here confounded, let my ge heterodoxa is very district as you will see by companing the floral lies & flowers. the flowers are include not those y bilie at all. The long experted clamers are, in the first place not equally inserted, two being placed a little tower in the throat Then the other Three, and they are as etrough declinate as in any species of Holemoring In your communication of Nov. 23 you say that my benecio Hovellii = S. canus: but I wonden how you can know that & h 20? I guess Mr. Howell does 2001himself know his species.

Tostacrift. I forgot all about Holozomia, the mostimportant - thing in the parcel. Will, then it is, and you can see for yoursely. It could letter he Henrigoria than Lugophylla but for the fact y its akene bring ever were entirely and closely wrapped up in the scale, them an those of tour Lagophylla. By its ven unique frappus, and its nuaskable not, with its hours always opposite I see not how it can fail & h a good germs; though if it had the chaff y Lagophylla I unde le In leaving it in that genns, I think, 1.2. 4.

Berkeley, Cal. Dec. 16, 1881 Sear Dr. Gray: Gover very interesting letter on Echinospermum is at hand. C. functionen inhabits the northward elips, near the in durints of the mountains, growing in the shude of Paendolanga and pines - is strictly onbalfine: the larger plant ! ursinum is found in gravelly places along streams at the very bases of the mountain, I have both opicies from Rushy this year, out of the Migillones Good specimens of both were distributed, wither the above names, in my N. Mex, sets

of lash year. Mr. Watson admitted [ussimm, bywas less position about & finistories and I hould have printed both a year ago last for your emphatic und y caution. I thall he cruzy te " but that and kept me on the rafe side, and all is now correct. This morning I went across The Bay & search for Kellogeys I menosum for you. I inclose a fragment y what I found. None of the specimens mer anything mon than men scraps, just like this me and the ticket - hore only the name E. mesosum Rullegg in Bolander's hand unting. I arted Dr. 14. y he could tell when the plant cam from and he said - the Sierra Neurda. Last year, at Rew, you gave

your imprimatur" & my Bigclovia supestris, and this year I have found your B. Spathulata and emsiden my Arizona plant the same! you will ame to the study of these things, by a by modert Then I shall hear what you Think, I put a spicine of B. speth. - whata, from / tem Co. Cal. in my recent parcel. Haffy, Xtmas & Zu As Eur Greene

to unspect, and rdentify his plants. When I had two or three days & span I aut, and did what he requested. Most of the spices un will know & me as eight. A considerably much of those approximity underwiched had han receive y me from Mr. Rush, some webs earlier, and Mr. R. nas about distributing such under my manuscrift names. In curse, repeated these names on the tickets y Mr. Lemma, as I had a ought to do. There in the cases y a few which were apparently wholly new I gan names. Hav of danny called upon & identify a collection of served hundreds: of

Berkeley. Dec. 18. 1881.

My Dear Dr. Gray: Jam very sorry that your acquaintance with Mr. Jenne is 20 slight, and your under--standing y him so unfurfectthat you suffer anything he says & prejudice you han known a long. The man seems to me to he nervous, and excitable m a very unfortunate any, & to a digne which liaves him mutines hardly re-- aponable for all that - he says and does, I so view the case, and therefore do not accuse him of

withilly and maliciously lying. Theefor Kellogy, Harford, Moon and Narteness are little against him for continuing & send his plants & countralize for identification, is possibly bone. newstheless I do not taken a und git. I han near heard any of them intrivolt anch a feeling, and I can not concien how they no rational nun, could 25 feel. The reasons why a very greek many of our supposably new or doubtful spices should be subrutted & Countrider Herbarium people, an manifest enough. As for myself, I wish to assure you that - if such a Juling did wist, I should not Than it. I have no wish , wither, I h reckound arring The botamical

anthors of this coast. If the second scores y with. I have published exthein a zun, the type specumens (in oursel instances the my ones extants) an in your herbal afon them world interesting and instruction & mayself; hat it was chiefly your own * Mr. Watsung long absence That templed me to do what -I han done in that line. My Senecio Amellii 5 think the only spices which I finited this year enthrongwaiting for your suprimatur. Alour Mr. Gennins recent Arizona collection, the touth is simply this. Immediality after his return he time or thrice berught me & come & his place

In my three days work or Terris fluit I neemel nd to much as the offen of a single opecimen for my om herbasium, Then when I knew that he had such If to you the most subjecting Things - namely, the species I had indicated in new -(not all of them new to his Cotlecting,) and that with Kank ticket, wholly trampling ander fort all my with, I charged him with howing treated me ill; and I confees I amoha that you should take a different every the case, of, upon a cornet understanding y to you reely do. Mr. Pringle, Bring my a cypremilance with the Shaeta flora, asked un & go through

Ahr buelles he brught from them, last buguest: I dail so, rearring, as her wither me to do, the specie. I freed two on three un. mistakely mer mes, & naud then us wich; but that did I no means infly that he should hunceforth submit his collections to me for identi. - Tricalin. I do not suppose That - house of know a little ormething about materia botany, I have the beast claim upour any collectors. Ju & Mr. Waton heing at home, I do not expect, on ask that any tray that has foolish as to even to As for Mr. Lemma, it will he hard to find a exception

or amateur on This coash when he has red- heaped. moults report, and I will positvely han nothing more to do with him on his plants. The thing which I most night in the whole transaction is, that you ahould, I his misrepresentations, how been incited to thereby so ungener. -ourly of me, whom you have known so long. It is not in me & be very greamlown or un obtrusive, I hope. though I am doubless sufficiently anative to ill arrange. I am bound & say, frielly, that Mr. L. conferred he had have me uning, and more than that that he had done so dispitifully. Did I not long ago ask gym That -, when you found in show day collections, you would like

plants does not imply the right to do wel which I did in this case then all the con. - respondents Ders had har Cambridge or It. Jones I have sent to them in all seems of species which I took for ver, always suffering They had a right & do with them what " They pleased. I had no educe that Mr. Jennen should withold Jonn you his plants. I only expected that, in his Commenting from 5 you be would, at least in the cases of the Rushyan n, sh, commente the rames under which I had allowed Rushy to h distributing them.

me study them up with you and allow my name & to Joined with yours in the Jullishing of them? Adad This is why he has taken all these frains, fisse to sunt me, and them & myune me in your estimation. Well, enough of all this abound I have written much & you lately, and am un sorry & han her compelled to go, for once, so far and y the any y Jeleasant comspruedunce. As Ever Sincerely Just Eder . L. Green.

Compan the akenes, non obnin that ou has white The then geller surjo; and one a comphorale fragrance the other an ill odon. c'auld not posselly, with, any much on Conscerner of en am Jolan gun derzyestin about govorle figure, the character, and including loth under on have. for will be that I am comet when you came 5 a critical study of the genes again, I have to doubt. Itel the heads of Bigeline Menziesii which you 20 Rindly unclose from this acute green-he-baceons scale tips, of which then is no trace in my B. glutinose. Stile, I leave the thing for the present, in your hando.

Berkeley, California Jan. 19, 1882,

My Dean Dr. Gray; Immediately after Xtmas of went into Vins Muxico for three weeks, and have but just returned; lo your letters were not seen untig within a few days. The burdles from Mr. Ball unalds found in the frost- ffice accounting me. Jule wen very Pouride ala, and diserve then he for the trouble you took to have the francels divided and tud up anew in rige for the mails. Some dollars hen thirty have sured. I unclose The portuge, herewith. Do for Mr. Lemmon, he told

me he hade sent you only That the reck run in uniting. I hope he has ountall to you before more. About the marice it does ned matty, I shall fromt no men of The Ri-olyan. from to authors first Punding oficeren & you; and the if me find that you have, through termine, got ahead y me in some y them, I shall be contint. My Sentolinen prinfolin, which you ask about, was feest elletie I myself, and was published in the Bot gog, early in 1881, you voice my specimen in the lot I suit to Rew. I find also my Di franci flores in Le man de Arique Celection. That was published as the sum time with the other.

About Lemes Bushing how how the evidence theet at hart hice Hall + Harbours day, you have hur Julling 2 dutind Theires wed, that receive. are with very large heads + thick but nearow and margin -lus scales, and another with simaller hands and broad seamon, - men, gimel Hale,. Which is the original de Bigelvici & comp till. But lest, after all the. Just my de Rus hyi should tum out & hall I have telegraphed Mr. Garard, (Feer too late) to withold your putting tyther of my Henrigeria spicula, to the by H. hishide will mer il . You did not

Concerning Mr. Omnegle; Hearta regime place to I wish to sun that, as the trine ones going through there and unting down the reasons, you here in Engelse, and I diel understand that you were if pecting lack for many much. he view of their and the fact y Mz. Giri-glis expressed wish that - I should go though and give the manner, I did not think y mete a thing as a possibility of trapaning when I arrived, and a little luter printed un in Two ory clan with. of did not ne Mr. Pringle after his return from Oregon: lui de. Cam · says he expressed herenes highly gratified at what

had duce. I done mean to access Ju with long letters, But home things have & he A Alnuyo, Gras Livery

June / Lew by your sustanction. I have been printed with no bills for their carriage friend / Ken to Cambridge! carried fra? I not count be primitted & han my sheen of these frieghy-Es! As Always Gines! Edn. D. Greene

or will then call H.

brevipilum; and I have

from the same collector another

and like it in aspect, but

with any different akenes to

pappers, which I call.

Berkeley, California Jeb. 6. 1882,

My Dear Dr. Gray; Your letter of gan, 28, enclosing a Chiel form Mr. Hatsun in Dr. Cottinis necount and also a list y n. sp. yman about to Jullish, has just Com in. There was no reed of your taking the trouble & with out that list; for more of the plants an in my possession. It is not all probable that I shall be publishing more, for the present, wales I should frick who now and There a new thing many

runtle ver these welltroudled Californien hills and vulleys. I have 210 idea that even the Parish Bros will send me any more uncound efectivens, What they did before who down beaute you have not avallable at The time. But me then & send you in due season, a representation y anything I may intend to publish, of there should be such thinging, and in your overins ked Condition, he rand the laton y telling me. Bracky almost ful an unitinded, reluke in this long list y ym, s! As for Servicio Hurellii which Mr. Hund tell me both you and Mr. Watson

call & Canen, un. Jan my sure dans cornect. He has sent me win Theimen, by which I am comment he knows what I mean by So Herellin', and how our you the night thing. The very far from I. Carrier, and very man The run & peculian S. grune. for will, some day, look at the character of have position me in my description and will confirme my new. I han received, within a year, through your kindness one let y plants from do, Iteck, and another from John Ball, all Journes

Dendyn a spreimen z the and a few other things futly som. and butter 3 - 4 ful high; and I have a good in the formal of take.

For a good in the formal Deather, bright, with the formal of the formal o

Berteley, Feb. 15, 1882. My Dear Dr. Gray: I have found among Tusty's relies two more on the specimens 7 which I send registered herewith. i have never seen Collonia Caramilleriana, but the Justposed C. Pushyi, with to 1-ould !! cels can not be it. In as fuct it is my like C. Thur Seri to which spices I carelerty referred it when I firstglanced at it; but it hes excellent character "

· Hour is well us fruit. This Hierarium Purhyi does not bother no with a while papers: Out I am undering of you will frally lean my H. carner (discribed in Juage 184 of Bot. Jazeth for 1881) & stand, on if you will deen it necessary & transfer to & Crepis. In view y the occurionaly white papfus in ' N. Fendlin' A. Semlin + H. bringhilum, I am mon than even inchned to seek satisfied with what and my first impression.

Madia extriodora el gueso zur Jun will find almosely with I you I clid not distribute my mice sprenning of it, in 1876, for the reason that I had no name & go utti it: It has putty thick and Thish akenes Jera Madia, and they are not perfectly enclosed in the scules; his the habit is so perfectly that y Madin that into that gives it ained go, I dutt ud. The history is delightfully lum - scented when fresh. I wish to help you were on Sprindelia by and by, but I must make som more spreimens; after which I will he able & help you when a problem on two , o quess. Il. Curreitolia eg, is one of

Berkeley, California March 8, 1842. Dear Dr. Gray: Gran letter z 27. Feb. is just in. Do my Collomia Rusbyi "i. not new to you, Will, after all you have so kindly unten about it. I shall erd. dan de mon about it. but lean it for you to settle when you reuse Tolumiaca. I am glad to han you say that Colonia must go. I have bun of that opinion for some time, In riply to what you ask about the validity of some of the book spices " Madia.

I would say that in my opinion M. dissitiflora, J. o. G. is not only a good spress, but perhaps the only one of the refuted forms of Mi. satira, which is undigenory 5 California! I han num our mal M. Latina, that which = the chilian plant) growing anywhen but, in Tields cultivated, in by wayaidles. It has wholly the marriers a foreignen, hours abundant it is. But away arriving the bull, in the mode, and Century M. dissitistora alma is found, and it occurs. were when the other forms grave! This will sound a mul iden & you; but I believe it is the truth. I am greatly obliged for

the fragments of Herrizonia Congesta, d'herr mot Jet had time & compan Them with the proposed H. Chvelandi. Efes, it might he well for. you to lend me, as you Sprindelia. I could return My Indy Jus, Edw. L. Grune.

Berkeley, 15 March, 1882 My Dear Mr. Walson; Long ago gon asked me to try to find the afrecimen whereon Dr. Killogg band his Parmlea fruticosa. Well, him you have some fragments of what is undoubtesty the thing, though there was no name attached, save Paralea n.sp. ?" I came upon it wines pretidly & day, in the midat of a lundle of miscellaries which had bun thrust away in an obscure nock of the

(al. Acad. Herbarrano. The species, you will see, is an excellent one. These about flowering branch. - lets an densely arrived on all the branches! It looks more like some Joreignen them any of the American spices y the Vary Sincerely Grass. Edu L. Griene.

Berkeley, 20 March, 1882 Dear Dr. Gray...
Here deme turned! Herrizonia Francostii and Di paneiflora an still & me unknown; but this can not heither of those. Notice the tendency & have the few haves opposite. I found the specimens in a hundle of various verups collected by a lady restrely Knows where or when, sing hundle hearing her thrust away with much millish,

in an out of the evan care in the Cal. Acad. somes. The Aplopappus was in another buille in the range obscure place. There is her a single, from specimen, but en the unteriel fragment I willow for you is wough & show a will marked had named it "A. Nuttellie". As Eur Juin E. L. Greene.

Berkeley. Cal. April 25. My Dear Dr. Gray: Are these the akenes of Microsonio Donglasii' I obtained speamens butseason and distributed them, inadvertiebly, as M. Bigelovi to which species I serve see it cam not belong. It agrees pretty well with the description of M. Dong. -lasis, and I wish you and tell me, by a host card, of I am cornel in to calling it,

It is not sure "at Berkeley, and yours with M. aphan to carpha, Your last letter is get It answered; but I will not truble you. Jam nor toging & get The hang" of the generales Largia. No Juzzles come yet. Her species sum chan, so fan as I know them. It aught to he noted in the books, that The Layie are spring annuals, & the Amizonia antumel. Juss as en Greene.

Hierofordy Microfus, I have Commissioned students for it them, and have en - closed in my small registered fackage, when they han brought, i'e, what seems & me only the common, old africies; but on the accuracy youreds him I get what I am sun is a second Spices, though it is apparently your var, subvis--this y the But. Cal. Eury week I are more & more informed with how very much is get to be harried about Californian ands. I han got Pentachata exilis run with rose-red says! I fragel & put it with this sending, but you shall see it from day

Berkeley. May 12. 1882. My Dear Dr. Gray; Your recent letter, most valuable, with its enclosure of an akene of Microseris Douglasii, come in yesterday. I thought from the description, that its akense might to such long and attenuated things is those I sent you time untes since, But sunce then, I have found another species which seemed asig it might possibly be that, free, though the scale an but spuringly ovillours, But

in the light of this authorities where I perceive both my plants & a new; I am sorry not I have found M. cyclocarpha, about which I still know nothing but when the description + Juguer tell. The one I call M. melanocarpha a of did, at first, think might hit, lest when its akenes got matine, and strund the frealier folding, + color of the scales of some that if it would not h M. Douglasii it must harvother new one. It will not be observed if yet many mm , on the turn of in this section incalais for the season during which They are to be collected it my

short. It is only about two Euchs since I kyan & find them, and now, everywhen. They are dead & this matured aboves all ecathered & the winds. Both my firspool new ones were to have been galtund by the thursand on the terminal gounds a week ugo, hut I ham and here wither one my when else in all the country I send you sprenning yard I have been able to detect in this group of the genus, M. Bigelovie is variable as to its acales, and wis M. melan -confiher. Wuks ago you wrote who it

Berkeley, May 23. 1882. My Dean Dr. Gray: I hardly expect this proposed new Sulachala will be quite new 5 you; for it is commen annegh on these hills; but it certainly falls under river y the Jenus described, and is in habit-, + in its constant characters of 5 or 6 flowers slender akenes, & 3-annel . pappus, so mulike any Jours I han seen y Viexilis that I can not accept it as less than a dishindspecies. What do you I enclose with it the

primised specimen y red. -rayed Texilis. I have, this week, been wrestling with Convolvulus. The moss common species whent S. F. Bay is sed described in the books of Cal. Bot, nor ever mentioned. When I sent it you from Vallijs, & zears nego, ym called it C. Californiens Choise, which it certainly com up h, & I guess it is Carrenois. you will, I guess, he suspensed when I tell you that your C. occidentalis is an everyour shoul climbing over trus & the height y 20 + 30 feet and having its woody stems as thich as your Junger! Yours us always Edu. La Jonem.

as to length yuksenes, I do find the matter of the smoothings on harmers of the outer abecus on constant. So if this smooth outer about, can he empire as an outer one, I think the validity of M. cyclocarpha (which would have a bed name, on account I the Joldes scale) could sufely be rested in its villous outer akines. M. attenuata, viewed in the light y what is her suggested will. I doubt not, hold well its claim to spreific sunk, Then is great variability in the eige, & some un the shape of the scales; some also me the akenes, but the outer akenes an always pricing like the runs none of them ling user slightly villars. I should near think of its surring noto Bigilini. that has always flat, brown acules, These y M. attenuation

Berkeley, California June 3, 1882, My Dear Dr. Gray, Gran ung full and richly instructive com. -muriculine of the 23 d wet. Thus just arrived, and with it accurage asking if I have get friendled my Viguiera fletursa. As & the latter, you wrote me ther Mr. Wrights specimens were not flexuose; 20 I called it 1. Jarishii and published it in the Buel. In. Club in February last. Ju ask why I changed the specific name of one of the Alexacia; I ansurvi first, because you said in regard to the name engthrocan-- June that Mr. Pringle's ofecimens of the spices had not not akenes, and also that A. Growing had occurrency sed wheres. I also obusing

this, in the second specimen receive from her Rush the seeds un mary black. I did not know they har. Oringle had printed The name, or I should have ortained it. I under he did not show me what he had done, by surding our precatalogue in aboteur else he printed. As for brenfilme. I can not see whening the searce is objectionable; for a Julius many he long or short. and in this species the which has a good deal of the look of to longifide the filon hairs are very much thorten. In such a germo en this, adjective names not already used an hard to find, and, deening brenspilum as good latin no longipilum and considering the two species undel h compand with, me another, thought. I did will with the name,

I thank you my much for these many Micronsis akenes, and the thing which I am specially glad to see is an authentic on of M. cyclocarpha, At The Jingview y it I yield up my proposed Me suclawcarpha. The puppers ocalos are very unigh represented in the bigues, They appear then to he flat, or sprading, whenas the two rides are 20 folded as to from a boat shaped dish. That all this is referable & M. Druglasii' I shall doubt, unless yn till me yn un urneg in calling this good akone of M. Druglasie which you send an "outer" one. (I return of herenth, in compliance with your request.) However great the exmulate of them plants as regards the shape a cillonity of the ocales, + were

an always white, han their sides rolled or folded in toward the melit in the manner of M. cycloserpha in Drylasii. From what I have said about the apparent stability of the character of smooth or hair outer whereas, you will understand that, glad as I am to have seen these isolated ones form The Ho. Hist. + It b. Buth, they are not very helpful. I will look at the Minspers affeir out ank, and will then write I must now till you that I have found in the Cal Graft Heat. a Jefte Kuillardelle in. Dr. Eisenin Hellogy in hart, with ruther cuspieurs rays. I shall and you a specimen git by ty.
As Eur Juns. 2. L. Grune.

is a much me, I saw acres of it last year growing 3 feet high. I also put in a speamen y /telle gys un fublished and probably long forgotten Haillandella Eisevii; also a fragment y a Hulsen which I can not identify: but I know too little alme that genes. I also frence lately, between the leaves of a look in the Aud Library a dagifraga with the following per alled in Kelloggs chirography on The margin y the page: Lexifraga Parryé, from Santa Rosa Island. The specimen looks as if it Endy h 20 or 30 years old, hat it is far from being

Berkeley, Caliz.
30 th June 1882. Dear Dr. Gray;-A Ati As a mine of Hemizonia, the musty hundles of the Cal. Acad, Hert. ass paring out well; and I regester & your , & - day, and aring other things, one preins fragment from the old Bloomer hestarium, When exists the only specimen upparently, but that a good one, of a specie very cloudy akin & H. Humanni -

fincisky like it in foliage,

publicance and habit, -

hip differing in its ving for flowered hads (3 ray, + 3 disks flowers) and its more slunder, transversely ongon my wheres. No are, I have our will question the validity of the species. To san you, if possible, the trouble of digging out akens of both, I enclose some of tolke heran. The proposed H, Kellvergi I surfect you have already in hand. It is abundant in the Sem Joaquin Valley, in fuel the comment ter wand there, and it many hun grue, into H, fux ciculata when Kelleye has placed it in the Hert Cal. Acad. The defference in public Munigh noticeally mongh

Could be passed by; and me the char. of dish where, t pappus I find no difference ut all, but when you come 5 ron- wheres, then appear differences which much be of specific importance. for will me at a glonce under a etring live that, apport a front from the great difference in lize und my wity, that of H. Kellygii has a very prominent and croshed trake, and almost no elife up tuse, while H. fasticulata a stipe almost us fromment und as crooked us the beek of the other, while its own bak is compone. -tively straight and incom. - Micums. "The efectione of H. (tellogici'

S. Parryi , a much 9 am own y, through I han never been that species, This has a long, dup, noody-films root; two short-petiolia, mallow-like leaves, and a scape a foot high having a cymon panicle Ilmer which I souked orland examined I and to you, and hy you if it hat too much trouble, & send me me flour of S. Parryi. I will send you a cornelspecimen JE, malvæfolin hafor I print it. As Ever Jus Edw. L. Green,

Berkeley, July 6. 1882. My Dear Dr. Gray:- I have never genns Clappia, lut- fram the discription in Buth + Hak. I judge this plantinclosed & h referable thereto. If so it will apparently well establish the relationship of the gums to Tagetes. The single head which I have dissected I venture to say you ought & kup, if the thing is as interesting to you as I suffront I will be. One other head, with the

like two or three inches

y stein is all that an

have.

Then is nothing an Mr.

Forces ticket & indicate

form what past y the

furinsula the plant is

dirinal, nor can dr. Keloge

gin any finion.

As Eur Junes

C. L. Greene.

these corallas, in disk as well as vay an to widely different June those of Sulachocke thatthey can not hadmitted in that genes, som can the tuous Throng. Africe Aphontochala exilis, grang must h restored; and I am glad to see that Buth , * Hook, neur questioned its validity. Did yn notobserve that he rays are deep red. Justle; Had an not in your specimes, the disk flowers filiponer, truncated things with mere ducticulations restend y divisions white; The disk crocles an ever the best generic character which the thing porcesses; decidedly mme unlike Fentachata dish flowers, than the rays an unlike kutachata mys;

Berkeley, July 12, 18+2, My Dean Do. Gory:-In your letter of June . 2d you expressed a doubt as to the validity of may proposed Pentachata alsinoides, and I suspect that, in the humy of botanical work in which you must be perfectually ovensheland, you neglicted & compan it akeries with those of other Gentachatae. All I have need to day is, compan them and you will mo longer doubt. I have lately crine referre a Jine "cache" y Genlachocta spec-- inner, (collected by various pulle) in the Cal, Acad. and the occurrence there of department Junes of P. alsinerdes, retaining

in every unlance perfectly all The specific Chameters, is not the end of the business. Atthough you say that The plant on which Aphentochata was friended her as get ben detected sanly in Dr. Biglion's specimen, form Napa Valley". I find plenty yet in the Hest. Cal, Head. from different frusts y the country, by several. collectors. Now, y Digelow's specimens, which are nel you appear & han seen an so fuir as the figure in the R. R. Report indicalis, I marrel greatly that you should ever here receded from your first position, i.e. that the plant is generically different from Turtachocta. It appears that in the Bot Cal, revision your must have adopted the Theory

that - the fuculties vay corollas are a over luous, an finnin which I venture & say is not possible & h manutarined. The plant has a pubescence of its me + Atten of the other fines show white worldy white worldy hairs, wich as an conspicuous ander a lens, in their plant, particularly toward the base y the involver, and the arthouty its akenes is reddish brun while in all this forms is i clean while , to leaving peoples and cordless all out of the grustin, by its pubescence, Color of akenes, + shape of molnen, Aphanlocha is a spices. But this admission distrays the thery of its circles being a varietae sport; and

for the bounding from lightate is tulular, is not so about, 2, 65 I speak, as that pun deeply lobed yellow dich flowers, & truncate I bo I can up encein of any may of Just of difficulty but this: Sto Sintachata anna, vut Pepilis, Gray (which should be
P. Bigelowi, is the law
under actor) distringuished
mainly by humispherical involver
+ numerous, nute, densely the receives akenes with 5 tritted white van discoider, Gray & there accidents desire varietae names Bolsinoides, Greene, with namely turbule surveuere, & few slender posiform in prismatic rillosity, and 3. bristled pappers. the latter orderedor unding in marginal

Limm (Kerlandi, Then is but me opecimen, and y that I send you the little half. Horackia the, apprass & h much like one forms of A nigida, to which it is certainly most related, though distinct Herrizonia Cludandi, Isent it to you thus named a year ago. 21. diffen fran H. lugulafolie only as to pubeacence and general character y inflorecene, that is & say it is setour-himsely (not villous) and its heads an oucemore (not conjulon) and those differences much abundantly englice. Hurizonia oppositifolia, differo from H. cefshaloles, for specific rank I am well persuaded word, he anceded to that also) in

Dear Dr. Gray:- Than just receive your favor of the 10th wist Thank for Saxifrage Parryi, leve-I reck a few days reje good flowing ones June Parry, Leaves I can notget; but it does not matter. On proceeding of I malrafolia, as differing & Carryi is, thor its leaves appear with the flowers: but notwithstanding that, and its films soot, and it much youter eize, its fluers differ from thru & J. Jamy' cheefly in having a shorter, much broader, and has deeply toothed carry. your patience with me on the Hungma questions will, fras h mary extransted, by the officitifolia, and proposal about a

A. cephalolis, the last y which you must han known nearly well your life. Apre the less, my connection is firm that, a sprains it is, and Though the eye detret - no character him that I habit and and of flurring. But all there, you know, are heavy scented Johnts; and a third men will easily distinguish to multiglandulosa June H. Cephalots, the last gilds a gratiful fragrance or the this a disquesting odor. H. oppositifolia, I her was heed in the fresh, but I is much extenders, & peshops as nearly scentlas, though more likely not. Its while or frink muys change to non-purple. I send you two little operanies; by the large + perfect an lafe has all the chamders of the mull ones; were the last head at the tips of the minches bring like and the

Helianthella Chuelandi. has its poppus reduced & tus men meliments of aurs, and ever there sometimes hardly perceptible. Astrugalus melilotoide, I sund you all - the only specimen during your historium the but place for it, and trusting for more to a found. I have drawn up my description, began sending the plant and I my sight. Senecio Clerclandi. The glancores herlage, and perfectly entire hums firled our referring this & the polymorphus & lugers. Indud the plant strike, me is bring min akin to S. cemmis. Antirchium crussicante, of hour of course, never seen your A, virga, & which this much related, but it far from that spisies.

the strictly opposite hours brunches + heads, slender habit and almost total absence Ja. glands. Allia Buckninster, me, out of a half dozen fine wish. June Patagonia Mts, anny them an annual Charmoesaracha, two feelhigh, (C. Johnysalvides, I call ir) with the aspect of Physolis by whele the char. I your never genes. His things an mostly in fragments, and to few that I can Hurstly get any & med you. This is all I will rend now, by this is plenty much for me & trully you with frame time & time. 8.2. 9.

* Buckminstery.

I am now meath scared ont y my finfrond H. / Telloggii. In the same thing named H. rumosessing, & thingen most likely a named by you. It is certainly not what I had her taught & call to, ramoressina, hing much mon like H, fasciculate and from which, in the light og grite a vice series of spromens I have tately accumuselated, I begin to think it may not he, after Deshaps, j. I go with the Durveyors I shall you you an intimal y report! As Eur Zurs Edu L. Greene.

Berkeley, July 20, 1882, My Dear Dr. Gray: When, in a recent letter, you remarked that you hoped I would go with the Mr. Sharta surveying party I knew red what was meant; but a communication just in Jonn Mr. Languist gives the explanation, I shall, I blien, go and main with tur. I can not find it in me & thoust aside the opportunity for soing mise of that regime, and especially the land unknown which lies between M. Sharta + the Evast. Many thanks & zur fin oppointment.

You an too generous, when zur transfer my miki to your Varbesina vanora, I han near studied holesian, hip I thought I did know Encelia. I percein that I did not answer your questions about Convolveli, Som y them you will, I trust, see around I me in next Bot, fagethe. As for take, C. Californians sometimes going tall, I should Day no; though I have men it after flurring season, continue growing, and turning a foot or min high, on the greens, list these later-growing stevers always Hirle. A han seen about the some thing is, & spithomous in Wisconsin. The etignes of C. occidentalis an not Jured up of shape.

They are thicken when fresh, last not nummer or shorter. * One more and about Henriquies. The little slunder thing I ame you long me tickelie II. gracilis . n. sp. purses by mice gradations not into H. multigland. . mlose as you suggested, but into H. Drylusii, I been fund many mon specimes in the old herbanium since the komm ahm I first alighted upon it. By the hay, all of it, in that. historium is named II. multiglandulore, which I easily distruguish Jonne Suglasie' by the simple habit and mary servile heads, and gellen says. The future your for naught, H. Anglusii's Itu masy us munth as H. tourculte.

affairs parochial will I fear franch only and first resolved whom. Though may be I can get away for those who ha by.

They may be found by by.

They graph found the Gran.

Birkeley, Cal. 1st Aug. 1882. My Dear Dr. Gray:-Surral days ago then came your little parcel Containing Astragalus Kattarii V, Thlaspi Californicum, both of which are quite new to rue. I do not know Rattan; hun 2001enn seen hun. I am annch obliged for the specimens, Gesterday carrie your note sophing & my organism about. a wick, unter out the descrip. tion y my Sintachata alsinoides and sent it & press, with a lotof other composite. When I came to a microscopic yamiration y its corollar, I found them

excellently characteristic.

They are, of course, un slender, and much hers deeply cleft them thou of the corners fines of when) allow & h Peyilis, and they are gellow, as in all Imlachata excepts though the say in Regilis which are I believe neur at all zellevich som in old hist. opicamens). These of Aphenitochala are white of the In my latest etner y Encalais, The circlusion y which ares, the description y my M. attenuation as 4 most clear species from much more auguestimable that en your M. platycarpha x M. cyclocarpha in my finin,), I detected an irrespected subgeneric charucter which, but finits failing in the case of M. Bigelain' world seem to dermand the nestoration y the genera Calais.

unless Jam mornet us 5 my ruting of the history of these names) at all curts, each species of Encalais except M. Orgelini has a convolute Rolivation y peoples scales. But in that as in Calocalais they an imbriate. Did not the public y the Signlovi' Junchede its admission & Calocalais, I should say they en hem him a loud care fin a readjustment- n a rearrangement. - quite other than that of Buth + Hork . t yunds. But as if is I don't know, though I want you to notice this fact A see what you will make I greatly fear I can not go on the Survey after all; some

will perhaps under that.
I should heritalt that take it accepting it. I may have it.
Since ally June ? L. Spreene.

Berkeley. Ang. 16. 1882, Dear Dr. Gray,-Gran letter z the oth is just come. All which I have don't to do in Henryma, our on about what I did last year, you will be in the form, Bull, for dept: The some, as & Microseris. I did not dans Junt the M. melanocasphy after I had seen all y that which you called M. Dinglassi'. but the ralidity y. M. alternata is far bryand all question. From my view of Aphenetochata expressed & you some time ago, I have wound since, in wo for as & how distributed specimens & consequents (along with

I alsinoides, your) us T. appantocha--ta, Greene; but that is not satisfactory & my mind yet. The old tourble stares are in the face, ix, that while The brown - eiller akines forlid its bung a ear, of Jetflis, his you it spraye much, the gorollas expel & from Vintachala allogethers. Ihis the screek Juggle I know of in the whole cincle y my ac grandance. & to-day the restoration of Aphontochata seems, & me, the nearth approach to a satisfactory estation. Ynze till be reminded, while arming the tarmed hundles, y my proposed Holozonia of a year ago, you will look at it throughly, I predict, und accept it as a un clean

generic type. I have secently oblained min y it, and han detected still another etrung chameter ? which escaped my notice last- year, i.e. the papping of the disk flowers (!), I consisting ya pain of my long & slunden, wholly of decidences britles! This, & the cufrelate ditto, in the ray atrenes, drie it wide & Lagraphylla nevt 5 speak of the mon them turce as many flowers & the head (wel white) (in Lughtylle all zellow), and The whole could chaff. + the perennal sort. I am ffind the chain 4 Enstrution in Botany ut the university; and you

Why Just together my white on overtinted H. spicalio + outphier gellen +1. hispida! And get again my while changing & non-purple H. sphortiplia and yellow H. grucilis. For the oake y consistency put & spicate and H. oppositifolice into H. multiglandulose if they are not to stand by therealers! But this Calycudrina problem will I think easily resolve etsely if you can be permaded & give up your terracions clinging & whenes & Juppins, and sieze hold y this will marked differences y habet, and of chemical properties as indi-- cated by the odon y the harbuge, which lutter charmeter one of the ung but, is out at all anuilable with you, but you much out ignor it. It is the character by which the totamists of the petiere.

Berkeley, Aug 24, 1882.

My Dear Dr. Gray:-Green letterabout Hemizonia has just an. - rived. Some gymer emolie-- river greatly surprise me, and none more than your disposal of It. Lobbi, which I consider as an--questionable a species as the geners holds; and I too, have nached my finine not without having at hand a vast amount y material of the Jusciculate-- ramosissima out, gathend un prun many brealities. Jur han endently bun misled, fint, by the mere portion of a branch, us to the eige and general aspect y the plant. Had you seen the specimen, a plant two fut high simple up to the middle, There atrouptly partide into a huly dozen Egreal, virgate - mannon brunches, your

would, at the un fint ylance, han religation it to the virgateo growp. you would, on losking closer, have noticed the dense, approved Jolinge of the flord branchlets, such us occurs only in H. virgola + tt. Humani, Then, going to the chaff of the occaptuelle you would have found it district, each pule half inclosing a stirile atterne, (the good character y that grown) like which then is nothing in the fasciculate neighborhood. Do you might have thought, pushaps, y making it a Jew- flower in y H. Hermanni, but the exactly 3 may. + 3 dish fluxers, the different shape of the very wheres & the puppers of the dick, make it clearly distinct. It looks to and that in this instance as in Bot. Cal. when you left the trantifully distruct H. Varyi in with H. Fitchie, + the ven clean

H. Hermanni, in with H. uryala, you have slighted thrings which discourse closer looking into. For H. Lobbi you much, underel take hunder for its size & general uspect, but - fin the leapy branchlets (a that chan, no trifle, but a good char & virgala group and the preministy y receptable chaff, you com su fir jurnelj. if you wice look, and compan with Hermanni, de your disposal of Calyenderica you appear & un strangely incom. -asterd- with yoursely. Why do yn kup H. Duglasii, + H. multiglanduloses apart? Then sole character, so far a, I

you kup H. Duglasii, + H.

multiglandulose apast?

Your sole character, so far a, ?

Con sa is color of Horners.

No districtions of whem o pappur,

com a punch. But if you

Rup there apast on their growne

will be led in the reading this abole calycaduries mage.) you, I humbly believe, will either accept this origination and, taking the word y Califor-- mens for good, ad- upon it, or your work on the subject will be undone, before your Nothern space han become atall antiquation. Out en with alor of flowers and habit you can certainly do letter them, according & your letter, you have determined in H. tinella, H. spicala, Hopportifolia, H. multiglandulora, + H. cephalote, an all white or rose-tinted. If you can not recognize differences y habit, put the Juna wite nec. But a California actool moster might - teach children & distriguish

each of the four, blindfold, by oder of herbuge alone! I have told you this important fact before, but you igner it, heave, I repper, you can not by your are experience wify it. I am to perfectly anydene there in the two prints him resisted on, I have the key & the enagence, this I publish in hope. Fire. Buel. H. esphalotes, whose flowers any The sum color as of H. analtylandelm his whom habit + oder are erry undely different. So securely do I trust in these points that I doubt if, in H. Chulandis discription I have mentioned that its mys an only half as long as those of H. Ingulasfolia, though I gues I did mention the peculiar enfolding y the ray-akenes by the ecales, which proxishes ah

brest are good technical distinction. Even withing that I would trum if & stand on the difference in habit publicance & oder. A. hozulafolier is gruch a sickening, felthy olir, their I dread apprimenting with it, when fresh; her H. Clevelendi is sather pleasantly armetic. I know not & where purpose I will all this long protest. But my faith in every own y my species of this gums, grus etniger eng day, es-- pecially new, when there weeds an in their prime in non planies a hillsides. I shall be sending you another bundle høre many dangs. As live Juns E. L. Jacene.

Berkeley, California August 26, 1882.

Dear Mr Watson. It has surred engling since in hadany new botany finn your pen; but this large Contribution . To X, shows that you have all the while here hong as even. I are not a little chagnied at my having werlooked, plant, the fin specific char. of Myosums cufulatus. Your appear to how seen that Platte River Lufring growing, and have found it, as I told. you ten grass since, putapo

the but new tred perennal spices of the whole Rocky Mountain district. Forf. Hilgard has just brought down from ? Washington Ly, army aund other mice things, the rather odd - looking little Unothera of which I send herwith, a spicimen in tis, There is but me specimen which shows fruit near maturity & that I reserve, from which & describe the species. I know no Curthera at all resembling this, Do you? He has two in the epiciness y ar egrælle prombas looking Brodicea om juhich I will and you if I find it & to a ravity, in a novelty as I, Jonn a finer glance um led & serspick, Accept my thanks fin the

hufur & blieve me Sweenly Jours, Edw. L. Grune.

Berkeley, Sept. 6. 1882. Dear Dr. Gray:-Anning some plants which Prof. Hileyard has lately brougher down from Washington Limitory is this ung odd hoking Astragalus which I wish you & see. At says it is very common. hat I can find my account anywhen of any species an all like it. Then un no flowers, his still, I doubt not it must be of that genus. I have lately been appointed by the regent y the lemmenty & deliver a three months course

of lectures on Lystematic Botomy, to the chidnels in the College of Agricultur. I rather expect that, by the hyrining y the year, I shall receive permanent appoints. - ment as distinction in Bolary. I am already darring to overhaul the Jurbarium, a little, und Correct ever mannes. In with Bolander's me equanie. y Baria chrysostima, var marantha I han to-day noticed a fragment whose much huisiness led me & examine its atrines; and Juna the fragment, (a mere brunch with two peins y haves & three heads, all immation) to represent a ving will marked, empullished spreis. I dan not - gin you this fragment, heave it is not mino, but annumb property, by- I will

unclose a few akones. The pappus is most peculiar for a Baria, for the awas an not at all chaffy - dilated as fase, and an dark colonel, as in no other species known & un, They an 3 in the my flowers and two in those y the disk. I tell you this heurse I from they will home detached in transite, and thus present enumeration. As Always Juns Edw. L. Grun.

ly colon alone, had parried, If as one, my white flowered to, spisula + zeller - Hound H. hispide. officitifolia to yellow "H, gracilio" i.a. depareperate H. Derglasio. I have lately found another men Encelia!) in the Cal. Acad. lup you muke Varbesina, y my Encelias! What is the point of distinction? The latest world I have unearthed our in the Acad extlection -s a single bauch is an apparently shoulty Corethrogyne - ving large Anh. en acecus, during tomenton hand, Evany serrate the fruit; scales y campanulate involved in many runks, style lifes wol- bristly, but only shoot-- Ju bescurt!) (C. detousa, mihi): unnistakally of this yearns, in spece I di premlianties. Sincerely yours. E. L. Greene.

Birkeley. Sept. 19, 1812.

Dear Dr. Gray:(Green favor g The 5th must is before me. The appointment at the lucieraly, which I have ac--cepted, is only for a three anouths course of lettures. It is, however, possible that's at the experation of this time, the appointment will h much, to the end of the uninity year, or else it may be that it will come & a functional thing as Instructor. Sinf. Hilyand is still Bufesson of Botany; but his health is much unfaired.

As to Acreegouras, let me me more insist are what you do not yet riphy to, that in H. yracilis Twhich I give up, & ha a much departe H. Donglasii') The flowers are gellow, while in H. officit. Jolia, they are white or punk, o turn red, therefore They Com not go togethin, to line, astheolor character is allowed, in Calycadina, to be a good one. I am sorry that I die who, in the Sept. For Bull. nere. Juntedly state and argue for my conception of the value. of mode of branching, and in-- flist seener, Combined with that of odor of herbage : (prints and generally thought of in com - froita and the little importance (in Calycaderna) of akernes to pappins, which are so much

alike in all. I venture H. ceptralotes, upon thise Three chameters; transhes assurgent, heads capitale could; herlage fragrant. H. multiglandulosa to he distinquished from it, by it, buy Expreelly & parrienlatel muchane from lase to ducument: heads scattered at ends of branchlets; herbage ill-scentid: There too & illustrate how in plicably a field botainst will sely or such characters in their action. But in color of florers I have just as much confidence: That which in my former letter, I was erry enophatic in my attempt to print out ous, that yourself, while securing to distringuish It. Drylassi + tt. multiglendsloses

Berkeley Sept. 28. 1882. My Dear Dr. Gray; hen examining again the Avlogaria affair; and Itos fail to find any trace of the disk hoppins in any of my our specimens, But, in the fragments which come, this year, through the hands of a Junier, Jun the Napa Loda Springs, it is easily manifest I send you all that is lagget of those fragments, and you Com see for yoursely. The ray-abenes in these are far from matrixe; but I have here looking at their pappers, and I find it formissing to be accounting decidedly

different free that in the specimens of my collectioners.

and It will apparently to a dufer cufe, with a griti.

sharply trothed mangin;

or that in all probability

en have (or shall have by and

by, when good specimens y both.

on obtained) a genus y toos

once species!

I did not mean enn to sany
more to you about Acciniquia
Lobbi'. but this morning I
have examined it again; to
though the glands at the ends
If the small leaves are not
no obvious as I seem to have
indicated, bring traceable in only
eme of them, you the main.
Characters of virget a grown are
from home of ments.

virgale tranches, and the wholly district chaff: in vew y which, I would no know how to refer it, is a variety, to H. Jusciculata. I ourt you, with new new, some sudo y Comoloulus accidentalis that you might grow the plant; but I do not know that the envelope eur got 35 ito destruction. Ju mice han sun my sunashes in I in the Out. gazette. Yours as always E.L. Greene.

Chamasaracha. The caly of t corolla an emorgh.

I may have been finsumptions
in gressing its root to be
animal, But you will have
observed that I gave it as a

guess, t not as a certain

fact. Happy New your & you!

Sincerely yours

E. G. J. en.

P. S. Lemmon has also nice

specimens of my Gilia

Buckminster, which I

would not print heave

you had divid to each

it G. Thurberi, a plant
which I know as well as I

know any Gilia, having,

seen any greentity of the

in the way greentity of the

Berkeley, Dec. 27, 1882. Dear Dr. Gray: - phave had long on hand two anauswird commun. · meations from you, and am not yet neady to answin. & parcel was half winde up fin you more them his months since, and now that excation has every & especially orner Prof. Hilgard has regard his health & classes suft time, 9 many neturn to my duty to you perhaps nuch week I wish now to sprake y a new composite geners, which I found wither in flower or fruit, in Willey. tuo years ago, a de !

wished & dedicate & the more who haid the expenses of his. your most frutful excusion in 1840. I troketed my imperfect spicionens brainfordella outalfina x out some both to Cumbridge + 5 Rew, at which latter place you seem them, &thought the plant unde be a Mutisiacea y some recognized gums. I believe it would from of mar kin & Petasitis & Tussilags. Will, Lennon has obtained hantiful, apremens of the thing in fluin & fruit + it is, (of I eved not in my enchusion drawn from a men glower) a Chicoracea! you pay me ance compliments ometimes; but this in your letter of LOch 24,

is not such; for you accuse me of humany made in my Chamasaracha physaloides, a synveryin for physales lotata. Do I nest kum Rhugsali, Wata? I would not envelor of I am a good deal mor familiar with, it them yman; for han seen acres y it, + studied it for more there e half dogen succession seasons, in Colo, o N. Mrx. I have, by the way, a settled concider que jour, that it deserves generic muk: but I have no idea of publishing my funion. When you see my S. Arizma plant you too will see a

Berkeley, Jeb. 15. 1883. Acar Dr. Grand your card about has gon into all the principal hubaria as " A. franserioides, " of " My description ago, & is now before me having her withold from the press artily because you said in what I felt to her ken , I france your would said dissent - after having made a cumple comparison, " 8.2. 9. 5



Dr. Haa lyvang Cambridge Massachusetts.

Berkeley, Feb. 19. 1883. Dear Dr. Gray .- I have just mailed you a small parcel. In the never slender y the Holozonia Specimens you will find the disk - poppins; in the others it heardly appears. Encelia sterrophylla is the serve as of which I sent akeines some time ago under the name " E. leptophylla," het sterrophylla is man listly The Surizonia I by you & examine carefully. I at first took it for name. susina, which I zeri percent of is ruch. The great gunny

mind is. When did it Come form? The was plannly a ballast - waif, and there was helm one he auto ven large, but 2 word of it, in its extreme bushines, your on the ground. The ray-akenes are well formed, but stirle, perhaps for lack of error fertilization. The poor specimen of the Polemonium frank K. J. is y course montpeand- for a fuel cleaription, but I think floriers will when found, Confirme it us a mish, The leaves + the habit are For unlike any firms of of Cornlen I han eur seen, of the posselly it men unh

he so new to you. Army the unbellifence from Mrs. Austin which I am unable to identify, the Kencedanum sums to and to be undescribed; but I dan not say positively & An. Waton, can tell better. . Yms as always

Berkeley, Feb, 21, 1883. Dur Dr. Gray: - Hesterday in the Cal. Acad. I carrie upon another amuel lot y Dr Veatchis Cechros Isla d plants, and I mail you a small registered parcel percenth, with I procurent of two or three apparently nich, for your ferbarium The material is search, but I divide it leturen us. The Huningman is mener hably anny Hartmannas, for its fertile disk-akenes, + is well distinguished me It. ramosissima, by that Chan, + its very sturm

lung (almost filiform) pappur - scules. The Brokellie will upparently Com in neur B. Wrightis' but has much larger heads, + is more strictly shrully. The Bigeloria from Onens Palla, does not appear to be described. + I hade dividul Dr. Kellogy only specimen that - you may see what the thing is The parcel is my small, to on account to Deningania to precion, & take risk, y boing lost-, 20 I register it I interrupt you often but I hope always inthe smuthing you want to

kurer about. Sincerely yours E. L. Yneen

Ju too, I see, heur hun accustomed to write Cerros" Islands. Thatis surely incurred. Cedros (Cedars) is the world. Spanish d before r is almost lost & the ear, & to I guess early untin who knew with Mexicano wrote according to what. They thought - they heard + that - would inevitally he Cerros rather than Cedros.

Why pust your carthers · bing anding, Mrs, Berkeley, May, 18, 1882, Dear- An Gray: 2/ il no to me that There will have to be one more Bæria added. I can make nothing the 2 y which I am sind sending you. The furtiscence is quela charactinistic halif is also proulier; while with these points there is a most novel kind y pappins; runnely, amall & short, but acute acutes, supplementing the about equally minerous anded mes. The adelitimed Accesones listes am a fraid something man yet turn up, intermediale between it and ung lash years. M. attenuata. The M. accurrenate grane, which I am is a letter specie, than II, alternate in. I am now wretting enthe Frotien for a while. Have ters afreie & add 's my our collecting in Walker, careleist offered & nu to & graneum the other of whitellian Sty topoppus " which you had reduced, so always. E. I. mache

Berkeley, May, 14, 888. Dea, Dr. Gray. the two Troximin tapake of the there day of our new alle to send analuse fruits of; a thing I end and here die lefen: for while loth are abunderentall ar the circular, and usually grow togethir, me comes to maturity a month,
earlier then the other. I head found
else meters enough even before I had
enough reces to for I made
worked akines & papping. But news;
wokier the hight about a kines & diving papping
y the see to dark a kines & lright difference in the character of the rites of the akenes, then the difference peater size of the globe, of sife fruit is always a mark of J. grandefloren, as The heads when in flower are more our ficulty wilks, as you will see in the part of the which I nice have ready, and will send spokes I then decided of Green.

n a tributary y Russian River I am for two in them with (or perhaps much longer) upon The practice of patience. you wash frem mould to rue, in Boston, with ago a letter about Baries re with a 2-cent aturn on it instead y a 3-. They notified me: but the two weeks an hardly long much & I fran it will han your to Washinglin. A like thing huppened a year orgo, with a letter france you then contents y which I was Cyros as always

Berkeley, June 7. 1873 Dear Dr. Gray: - I am glad & have this letter about Microsens: but I fear I have nothing & add. M. sylvatica, which you enguise about - I know nothing of a yceful that. I have me a single, poor specimen in the Hert Cal Then is also a single opening of what I suppose to he the tom M. lacimola, in the same collection, and I will examine it again the birst time I go over

you another paral I have sought more diligenthe for M. macrochata then which you will brid vin interesting I think. In any ther species, yet, & this day I have never Aphantochata has here met with it. I can find Jours abundantly this years nothing answing & the ly Dr. Pary o Mrs. Curray discription, in amy of the in several parts of the state, herlana. run god emelitien. I am well centered that This surply a very clean M. Douglasii shall include species of Pentuchoeta, M. eyelocarpha & my once or is distributed by the propond on melanocarpha. Ellectors as O, aphanlochata fra took then an some forms but it ought to he Prexile's Jound this year of Mrs. Curran to the other P. Bigelini, House that I have not seen before I did vide dan introduce the which will go into it, and alteration. make it a species your ymask where is Mark unde unablik indeed. Wirts Cruk. Next with I will be sending

My Dear Ar. Gruy:The letter which Boston, arrived yesterday. I never send, in a registered parcel, specimen y butimor which will I trust to found matructine. J. Raciniatum Grang & su differ, frist-, very widely in the character of the pubescence no well as in form of foliage. The afreces in the former are all alike. In the latter those of the outer our are different -Jum the rest, ling more conspicuously with x of a différent- color. The stipe is always a third shorter, also in this thecies the fraphens dingy. A any striking distinction is driver chiefly in the him effection of the lights. In J. groundex lerran They begind the involuere, to that the feel blue head is handly her with atross, byin I lucurature the some is 2-2/4 inches in diameter. Lusty, the letter (altho the tur grew always together) legion & plenen there in from we kis later. Frokinna Chilense, you, Wel this is a hard ease! I wonden not a little at the disposal Anade by Buth + Hork and yourself y these plants.

Still, though half the term it good species (the aboves are or my different - + They do zutme together) yet I dance nd sen so in finial. But Nuttalli Eryptopleura or Ryrraplesa, a musto, it the my least han nauces as varieties; and there, you see I find another quite as remarkable and, having its outer akenes and pubeacent, hip neither inflated, new much ungel. Ever that-Cultivian from in which the akenes are all white, is distinguished from acc Chilian Jones, by henry its akunes only half as large, & y different - thate.

I think you will not dessent Jone my men that are remain neume all there, at hart us varieties; + that Autall's and would be sinced against if we did not preserve his That clover of the self- marsher is no new thing to me. our it about bally's years ago; sow it there this year, a row, at last, I collect - x examine if to brind it underented; n un, paculier to. My aurrialing Madia citriolina of ynka. 1826. Comes in this year from the Secomments Country, or with it worther egrach annalus new species, The allection and not distringuish the two.

Berkeley, fune 2! 1843 Dear Dr. Gray: - In that letter y's munth ago, which got retained too unko in Borton, you made some inquirie, abut Trepinon Lessingii, The name is new to me, late I con-- stone it as symonymous with I aparquides, her of Both. Cal. I have sought the thing variety in the herbaria here, but I remembered having seen what I thought - might to it, on the sound hills toward the Hoday I went in gracet y's; and affect to han bun suce good suite of specumens as It is asseredly & Thruch I found a few plants Houring no of annuals, from sudy lund your apparently; but that

happens in the cure of I. grande flenen, & I lacinatum, as I fran this your observed in. Bukley. The plant now in grustine is not any too distinct from J. lacindature the last poriets ling the liketies y wheres ruter and were, and the brevily y the stipe; for the rush it is a much more stenden plant, with emally form flowered heads. Grand for Fred !! I. Jame.

Berkeley, July 14, 1883. Dear Dr. Gray:-No. Dan und get projeren, un are I likely & herene auch. I doubtif I ever obtain the hetworthish this year; Bolander has applied, & his friends an working for him! I am doing nothing in the many of effort to obtain the appointment; do not can unich about it. Jun spistle in Trojumen I am glad & han reclind. That you had mixed with I apargindes, that which I mustish for suttall's lacinatum is a surprin & rue. It is the most enumer of all the species hereabuts, and word needs have got neto all the collections. I am glad you de aide in facer of specific route for the Calif. annual operies. I would have had it in print- en mayall, by their time but for my dread of yourself; yet I should perhaps have and in choosing, as I should have done Californieum for its

Specific name. I thought - that - hus us old as heter phyllung; but I enfew that gun do und bried if so. Cryptopleura is not ran, & never shows & me any sign of passing nto the other forms. I han a new haklers Torrimm, June. Rush, Intronty a single specimen. My Chinos Allos on the is also in a single afrecen I guess also that the Scott Mr. flourt you refund to is rule extant beyond the ningh sample which you un happily in I sud you now, a good lot of I spargioide + with it some mon things, namely; Timm tifidum, , u. th. which you are with 3. thesent and spergulinum in succeanthum, and so put me to silvere! Fork at it's petals et which are lifid! Lagsphylla specioca will perhaps hymn Le glandulore i j so you must add ourerhat to the description; its serve, kalle height, it's servete leans; and its mys, a full half inch long, make a mally handiful, & showing had; but there un

y on delicate textien, & shruk una almost & sunshilly , as soon as plucked, on when the recovery our rises refine there, Tilia stammen goes h, the side of my J. heterodoxa, which you knowed against, and which is thinfor still in fullishing, get sin to find recognition seem day, as all us this. Kushy's plants will speak for them - selves. De red- till me they-Rushya is not a good yours, I will obtain for you, if possible , 4 complete Han yer mede yet a Senecio trizona,? I have also free Rush, a free wat, (me spremen) which I would have called S. Gelasites; but I find there is already a spice having that name. Names an hard to fred for mother in their general. My S. Cleulandi'. I presume gu, han give a place in gover MS. Flora, butym han not total me,

I ought to say, while talking almen composite that - I found lust week your Crices Andrewsii', no doubt. It is abundant in the tules (an agnatic!!) hturen Bernicia & Suisma. I saw it my from the can windows, but mear enough & tell that it is no species known & me, " is, in all probability what I say. I will try to get it exclicted, will go after Y-rugself. Yvero as always C. L. Greene.

Berkeley, July 18. 1883. Jear &r. Gray:Juas in tor much

ya hum, whit any himme lifeture". I perceive that L' anicomethum often resolt; petals surve in less Ruply netched. It had been lung ance I had never the species I had frything it, look. What about this alpine Actinologies? I can make if y no other genes! I am haver, to buse, with other reatters just this, week, to give the plant men than a glace, with the but you yours Sincerely D. C. Green.

And get but little of the men Claytoina marrofuna que + Mr. Waton will religati to C. perfetiala, until you han seen it growing. Its herlage is as oriconlanda, unless boiled first about no immortal, as that y a Cacting in Cotyledon & ho ore rung it alin muld be likely to confirmed it with the C. perfoliala, Still, where ENTRUCK + il, ich, 2 who much hat the rige of reeds, remains to have a specie, in. Malacethry Currana you man find identical with "Clerchand". but it likes to an different. though I can not pres new Compare the two, Yours as always & & Green,

Berkeley, Ang 11, 1883, My Dear Dr. Gray:- Not- only dres Mrs. Layre - Crissan still bring in frue ever letth, excursion nier new species, but Dr. Harkenez and I have just made a sunderful hand from the midst of the tules along the unt side & trisun Bon, undway between Bereicia and buison and not 10 miles frui San Francis co. The beautifu (Convolvulus I at the first believed under A ham the let I new guess it will only amount to the orddition of C. Sefuin. 6 the flore y our Pucific coast. Joh. I have never seen that -

specie lefore with ouch shaped leaves, our with such large and bankful rose fresple corollas. The Elevenianis arcuata is a remarkable spicus. Each root produces, bisides gust- one which is frame 5-8 feel- (!!!) which forms an arch almi - kreek high preliferous. The matted many these my arches muders it reach impossible, & penetrate the markes on fool exapt h mising the dun the mass! The thiatte which I told and of before o which I haped amula he the ran C. Andrewsie

from to he altoyother new, and I call it a maritimens It yours only shore the tide. males reaches it, to that party the stem are or hunged The Aydsortyle I han no Kellegejs +1, prolifere, for 9 can find is specimeny that in the Sark. Cal. Acad. It right also possilly to X. interrefla Muhl. But 9 suffice it is really neither. I can well bird theil . There is any known spicies with this dichedennes inflorescence. hance I call it H. dichotoma, Holenium Hadhrossie, broughy in by Dr. Harberers who accomes - pained me some strongly

erenigh characterized. Those tales must be from the z and carefully explined, We will go again. Tur or them A favrite student has brought an a brandle of ruce specimes June. Her Spoken prairies. The Dieracion Though young is undulty men is it - not ? The Senson of four man, h the S. Serra, Hook, which) do zed- know. To morn of go to the Sunas (Suresiet Station) but do nd- uppert my four on fin days then & yield to much as what the Suising arranches Durrendend & more three or fur hours, yours Successly S. L. Green,

Berkeley, Ang. 20, 1883. Dear Dr. Gray: I have just returned after a week in the Sierras, and are glad to find his letters from you and also copies y your Review I think you must have failed & notice what I had unter on the back of the lettle envelope, (which contained the head y & Laynea and with ita haf of S. Activella). Of the latter I suf- you before, one whole plant. I return the little unvelope The three leaves of I Arizonians I will also exclose in in a small I højre yn will, when yn

find yourself obliged & grote my Lagophylla congesta (i) arote lifox) examine the plant. This I know you han not done and however much of of man han passed under your gleince. for well not tell me that - those abundant and large, dark glands, as well as truce larger flowers and fruits, do not give it a clean and imprestimate specific character! A few nice plants from the Sierra will he mailed & you lefore long. I trust. Jes, I saw the Andersonalla in the Acad. Hick. a couple y with Sincerely Grans P. L. Greene,

Berkeley, Aug. 31, 1883, Dear Dr. Gray:- It was a batch that lust in which many of the things had not been carefully hoked at by me, hence or many y my guesses at u, sh, han firmer for guesses, I had not reached the Conclusion that the Cal, Joopinn is different. from the Chilian from tooks only. Then an good Chilian specimens in the Herb. Cal. Acad, and I had Carefully compared them. My Semecio Arizonica, is far Jone S. Hartwegi, according 5 the leaf for which I am Myred & you. I. L. greene.

Berkeley, Sept. 1. 1883, Sear &r. Grayer I doubt ig I have are representation at all of the about. I can not find any. But, greezing as I do, that you are enguged whom that yours I hasten & enclose a letter y whop appears & le a Californian The great with y Bolander, and the graits of it are, when fresh, exactly like those , that spicies, penty white, but blackening as they dry. I shall send you quite a ruce parcel of ran things pour take County, lefore many days) trust, Amis Sincerely P. L. Yrune

Berkeley, Sept. 19, 1883 Dear Dr. Gray:- I han now containing some things which ancest from interesting. The Sparganium I discovered tuo years ago, but could not obtain mature fruit, until now. I thought, meanwhile, that it ringht show itself a much overgrum & eurycarfun, but its priits have a different-ahape. It must be the largest spargamine know, for the longest leaves are gor 10, ful, and as I stord heads of fruits are love sifun a livel with my eyes i, e, little less them & feet.

It seems to h un local. I have detected no Sparganners anywhen else, in my march enading, except the little one they grows in water in Downer Like. I have a specimen for Dr. Engelmann, by some my has said he is in Europe, and I han not sent - 4. I can not find that any one Minules luteres was made for the placet I one now Duding under a new navey, I therefore trust - A month ferms will hold. I next you the some thing, years ways, and you must hem it in abrudance, for it is the Comments. Minules in the Sierras . Of in called of luteur, through were without having seen the talers, I

perceived it was not that Its corolla aluce will chark, distringuish of the limb thereof has handly any perceptable implant, and is reast votati-The long tube is characterized by a pair y near folds, which are conspicuous in even the dried epicinen. The plantis arean M. moschatic them. to M. Interes, get is distinct -mugh from that? As tragalus, Checkandi I published a year ago; last I had sent it & you , ender the name melibrides, gree, not having thought & look and see they there was one Old World freces, seriling under that Trance, Mr. C. got but me specimen, & That, in flower only, you calrach, Jussess, but now you have it micely fruiting.

I confidently trust you will, after seeing the specimen un and, han no objection to my Lagophylla curgesta, I amla add that the plant yields a un strong, bud odor y Oucureter eines! L' ramessissime is acentless. Herrizonia hozulafolia + H. Clevelandi your intermited up there, just as you are them. I find that the latter oficies has, what I thought I detected in Clercland's Josephy dnie épicimens, a sweet balsanic odor, un while the mosty mell of the firmer. Sidalcea. I have long felt sure that the smooth pale seagreenest one of the bienes is district from, Schuritis, and get, of the latter 9 atill possess us print to compare. Mrs. Anstins plant is charly new; the carful well marked.

for much till me of Jane Pentsternon, P. Lemmoni. Aphopappu, underlater, man A, imborder + A. crocens. Astragalis Clavofornis, I do zut-Jul sure that this is not the A. sozynifloms y der. Watsin, but-he can tell. I out you, in the last parcel, a Helmin Harknessi, against which it was not strange you should protest; for one going to the original account of H. Bigelovi', I discover that my plant much he the very some, But what anished are is the fact that enrything in the Cal, herbana that is culled H. Bigdin' -, a plent y meh 22 ndifferent aspect, this tommer placed of the mountains and y the court murshes) has glatrens thin, undecurrent haves, and is odosless. Its akenes tis, han a mid character, for they are ribbed, as the true Bigilvini they an not, and they are nearly destitute y villosity as there y the other an not. so there the right should be the communer, mountain plant, But alas! I find a Bolandrian spicioner france Josemila, and one your som collecting we summit which looks intermediate, In the matter your Julium pungus" I had wholly on listed the riste ongine of J. budrevsii' that 't has have. Now. I have done, for 6-day. As ever your E. L. Green.

Berkeley. Dec. 27. 1888. My Dear Dr. Gray: For mon than a muth past. I have bein smally to do a thing in lotany. Hence any silence towards yourself. But gesterday the First day after the Nativity, I got to work again at some young beloved unds, and I hope I shall shortly han a parcel ready for you. My volumes of the Both. Gazette an just this work, all in the hands of a book-buden; therefore I can and point you to the page whereon is finded Bigelvin juncia lujlook in some early number for the year 1881. It can hardly han got into an earlier uniber, for I discovered it in Normber, 1880. Jon plant - y d. Cal, so named

has long her in other herbaria (sunce 1881) as B. Mohaversis, greener, my unlike juncea in habit, so much so that I can not write them. The flowers are also different; het-The above an not, & the moduces hardle. I should have priviled Mohamusis has fin the fear you would not agree with me. But there, you have not exactly approved wither my B. glutinone in B. tridulata both y which I would no linger withold from the finition; and I eight Them at in the Dec. Form, Bulliting, where the appears. Kny Fruly Gruss Edw. L. Janua.

California Academy of Dances. Post Office Box 2247. San Francisco, Jun 5 1884 My Dear Doctor .-I'm glad to have another letter with more Mumili. The M. Ruttani Gray in herb. hus un in manuscript our webs. In Rattanis historium I come refun your reason for it; but we had the plant airady. collected by his. Curran. In both Batterns to this Currains Collections is also another me me found with Patterie, and, , toth, mexersally a iges. with it having a slender habit himen hans, ample Corolla-level and exserted, incurred capsule. Frobally nother of it reached you. Ges. M. luterby of give up, heavest has my a dwarf. Empact habit was Innenhal larger and them true rubellus. But, on one of your rubellus, thuts is a Washington der. Threinen which did not mer examine as the time, has which distinctly remember the reaction look of which I mor find in our collection, and then to mine! ha spices. According & Jun anaption of Mundey Chernetys it will be naught. I com refe you to withing hat the more precisely trangular calys teelt and the feed that they are comment to

poundish sucoth seeds only 3 the size of the linear olling 5- angled ones of the miller. I have but me spranner Int a good one, collected of Hilyand. There was by Curick ! ir hiksdorf if a remember right. il Brueni to has good seed charaters, namely, a while En m, me state of y ai fre, and district hungament reticulation, not to speak of its nearly regular corolla. himb and the insple whom of the whole flower Voring air-ce, ely Chi-

203, Subser, Subser, 180.

Berkeley, Jan. 23, 1884. Dear Dr. Gray:- I han to thank your for your response about the Minules from W. J. albeit there was no mud y my troubling you, for I found that I had much a note " Suksdorfs plant before I returner your spicinens. I du no neason why that is not good M. incompienes, ywhich it has exactly the calify and corolla, different- muryh fran those y M. rubllus. In breatth y hap I find the aforenound spicies quite variable. your plant from Congdon I do not hours what & make of. I would not - like & attribute such a carry &

M. inconspicions. I shall do nothing with it until Run more about the plant. he two or three instalments I han received doubtless most of the sheets of Borraginava, but some puges are wornting -I know not how many - out of Krynitykia, a games to which, by the rang, I would hem out quite dif-- ferent- limits, and con-- tainly shall, when I come & it. Of course was, for public appromeis at he, I must defen my am work so long perfuning for, on The Culifornian Borragina erec. Plagistothings also I fun. geners, but not quite as

you have taken it. you could have had, from Ins, good Chilan specimens of I. suferceus, collicul by Philippi and if you had only sun the untlets you would have bur saved the mistake of referring to that opicies either of own (al. and Oregon plants. We have, by the way, a fine Chilian efectioner y Minutes, in default- y oven importantlooks, I may err in my old spraific names; by they not I will take rather them ly- go from my fun anything like the war habitual treatment

of the Culifornian M. lutius". Our collecting for two reasons past has bun made in well parts of the state with my work on this general in view, and it might hypicted en unde han lever, as he Fundy de posses, som new "borns" her. The printing of my part of the mit Buther will byin there days hence. Jon must propor to the surfaced with my prook, (for I have undestaken a givel dial) Justia po pro-- voked: het I hope you will, were in the latter luse, refrain from criticaging me fuellich,

in any spirit of accordity. Sincerely yours Scaw. L. Gruns Birkeley. Feb. 1, 1884. My Dear Dr. Gray:-Jane notintending & June Blepharizonia at present - perhaps never unless I can necstablish Calycaderia and Hartmannia, and refer original Aurigoria & Madia. Zuen projects, you will think, and many he correctly. At all events, I will mæke uv more agnonyms these this year. I mailed you yesterday a copy In my betun & the Supreme Cust. I wrote it - Bunder obedience 5, though entirely independing of any ongestions (as & matter) from, certain lique unthorities. All I need add is , that I am not- anested for contempt.

Their Honors out all their nage on the attorneys who duhed them. The injunction was given counteredy, present the chamber, and they appear not the than known what they had done, until very varcas in confronted them.

Yours as ever E. L. Greene.

Discoursed this week, (and all the Hungy yother cares) a frice new "Brickellia multipliona, Kelogy" in the acae, herb. It has been there 18 years, and come from King's Canon, It is too lete for a blace in your flow, y course.

Berkeley. Feb. 22, 1884, Dear Dr. Gray:- Jam posting & you now get one more. small parcel. Some of the things I do not attempt to name: you and Mr. Watson can do that. I have found a good duplicate for you, of my deneció Argonicas so that you can see just a hatit is and I hope it is new to you. Dr. Kellogys Stylocline acaulis your will percein is fan from what I called Every acambis. That Hederma y Rushy's han sent you before and you call it It. thymurdes which I can not understand it & h: for its flowers seem too large, and its stems are procumbent. The Trotinon from Mr. Shoots you may know, the I can nd find ouch a on described in your neut mornigneph. I warm it in reference to the almost filmost pappins. Dr. Engelmann has ben gathered & his fathers! Who, as an undering, will hable to gather up the ends, and go on with Cactacea, oaks, and so many rum og his speciaties? I read a brief necrology before the Cal. Acad, a few nights since, which I guess

will be primited; to that.
I can send you a copy.
I am rejorced & hear y the
good progress which is bring
made in the printing y that
year whene y yours.
You Sincerely
Color. L. Green

The Acad, Cal. is to publish a pamplet in a met on tios chiefly new frugi. y Harkness. But they will han englide contribute. Mrs. Curran puts in a few new phanogams, and I some. Mrs, human siel, I think print one or two that) do not approve; but - hen Acanthomintha lanceolata ought to please you. It is from the plains just east y us here; much largen then the original openies, villous furbiscut, and has a differently shaped corolla. Then is but one spreamen, I am adding 3 new Minuli.

M. mouliformis I have sent you. M. mephiticu, I gues, I take out y your M. names" I has geller flours, corolla y different shape, calyx tuth mor slunder, and has a fransful andly skunks. Then still remain too quite chan spices in M. nams; but I wait for purther Runhdey about which is the original, and also for better opportunities of studying the fresh, gruing plants. My third, ix, M. barbatus, is affanuth wholly new. I can hardly tel when to place it. It might stand near M. names hy- fer its helicellate flours - the

predicely exceed the hours)-It is un during, much brunched, and the whole lover lif of the corolla (gellow) is densely bearded the upper has so. There is but me spranning hat that - an excellent - me, hat breakly and collection an both unknown, Ju an, I presume, still engaged upen Compositer. When shall in how some tangible fruit zuel zum late years y toil? Juis Lincerch E. D. Green.

Please address our of the

(al. Acad Science S. Francisco

for a while . They will be compre

to forward for me. Dan

to a making some excusions

and dalways return from them

to the historium then born

coming to Berbela. I am

Curator . Ass. C. assistant!

Yours very truly

E. L. Green.

P. S. I fram an han not that so hol. of Pac R. R. Rep. in which Purtslemon gracilenters was print published. I suspech it's date is mon recent than this of the Parc. Cal. Acad. in which bellogges norm was gime. I wish if might turn out therein.!

Berkeley. Apr. 5. 1884. Dear Dr. Gray:-Gesterday 9 necessed your guery about Brickellia smeltiflora, and just the day before I had much the diservery that - Som Kellogy had Julished it, Mrs. Curran, who is quite correct and. trustrothy in such matters generally some time ago made out a list - gall spices which had her franticl in the Acad Proc. When I failed 5 find that warm on her list, and the failed & find it then, I fellour that is had not him frinted. Among the heaps of ruthish which we have have

ourhanding in the herlanum an have made a few entertaining hserveres of late. At least me y them I will tell you of that is Bellygis Tentstern vostriflorum! I felt lound to present and specimen and its label, ulthis? I do not see but that its discorn, and preservation will riguen the perpetuation y that barbarren instead g gons om good I, gracilentis, which the specimen exactly is. to for Erax; I am unable to find Bolandis specimens & which you refer , nor any thing mon which could be y senice to you. I said you much all then

uns left filloggs Stylochen herrie y the not- y his 50 specimens. I have now sun (in Menting Co.) probably 50000 spremmens, - acsts ufun acres - y what will Justally prove to be the some propget in flower eva) and quite as much y my own ling acaulis, in the same early stage. I ful confident that your propond inclusion of them all under our spreses will be unfortunate. It is an assurgement - That will not - h accepted by us who see acres of the things growing - one species apartfrom the other and with no spand numing together Joing up the ten goapien

Post Office Box No. 2247.

San Francisco, April 28, 1884.

My Dean Dr. Gray: Again. Jan about & intermetel, & yn will let me, gonn cogitations on Composition. Mrs. Currain and I han, for two seasons, assidning collected, among other specialties, the Eritrichia, the first two sections. I have her laboring with our specimens for a half inte past, and altho I will not print any results any som, I will tell you some things that -I think will have to be done. One young ideas is, that Copinospennom Greenie must grants Eritrichrum and, mit & E. Californiam. It varies greatly as & the number, and arrangement of the prickles, but -I find they were take & the margin of the muttil. The plants habit is precisely that - y & Californian. and, in view of the our, subglockediatum, for hips it could almost be appended to theat - species as a second van. Notice, in Un. Austin's plant, that the frickly are in a line up and down the back of the mittel-!

The size of corollas is of no unportance in the

Serveleri group. Most-y what, in our furtaina is called Californiam, is only a slender, amall flowered from of Semlesi, whose characters are a pale histage and autlets (un straight) with their africes divergentno they lit in the calyx. In Plageobothings I have in view three species were Than yn nevgrige: 1st 2. Drigorienn, whose calgaran is promptly circumscissile in those you arthopeline, he neurer the lune, and whose mullette can be readily tistinguished from those of concescus, by their fewer les regular ouga. I am fireth, well commenced that circlain minutiae of the markenings of the willels in this group - a character which no author. has get thrown ighly taken hold of, no Dr. Engelman trok held of the luphorlian - are non constant. 2d A prostrate, and consequelthing with who flathy prostrule brunches two feel and non long, with wide for calyces, and methods with their our warbing, will I think h & apertun six It is so put, in hisbarium and MS. and Dance enuiting & see if Parish's plant- accertismed yyou, mie & the serm. Min is from Kom Co, when it is anveiated with Stanfordia & equally restricted in to range.

Post Office Box No. 2247.

San Francisco, 188 3d is C. Shadling which you referred ing ago & S. levellen. Jonn which I pareien itcharly district for hotel (that games, with former) by its three larger, and any and with million And now come some more new compositio: firstgall, ne uhich I can in no uise dispose g without reinstating the genus Nologymune. What dre can be done? This wer thing, and Lastheria gluber Ana use energy not to go milo one genus. The akenes of the latter- and, recover, unde inclined & the quadrangular, when maken, I find. In Alogymu glabrata they are not it are to, the not so flat - as in the A. marginata. I detect a mat commen shareter for the too Arlogymes, in a joint-, if are many 20 call it wear the lase of the Corolla-tule, at which there is an eary break so that - the

lover portion of the tube is proceetime, left audilo

There is a trace of this margin in the aformer of Monolopina major: but I ended not think y fulling them things with They geners.

The tall slender neak sterned Baria abundant.

on the Kun Co minutains can not you in as a

from of B. religiouse, on account y its

frappers, and so much be a specie.

The other Baria, which I do not name is

perhaps my and B. cornora. They I compared

it agrees with the description y as platycarpha

which I long to see . So what you will with this,

and tell me what you do.

The expanded heads of other specially the shorter as from for the expanded heads of other from look atrikingly while the expanded heads of other fruit look atrikingly while those of any other special and are truly elegant to me.

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This is all I will seed at present the there is more in store, and will be much more by and by I hope.

This work, and when she book returned I willy this wick, and when she book returned I will go back to the San Joappine, for sipe fruit of Crockeria differsa, to that he can see if the red is just like that if C. pusilla.

You Truly yours

Post Office Box No. 2247.

San Francisco, May 15 1884 Dear Der Gray:-In my promptners aboutounding you things, I do not always your myself time and offortunity to go & the bottom op subject. De I make myself redreulens. Mrs. Varran and - out - to Autioch last wek, and in meanding through the grain fields found her fut often Entangled, and so, had her attention called & the love Sturs y my Grockeria; brekil it trad rife fruit and she came in well supplied with just what I wanted, Is my disman I now delicted the (my filmy) bissepenned-! This has bothered me. But your depiseence is not her in man specimens, unless that and may mean that - defineers a splitting ofun ought to h. I can neither coax nor comful the refrest pods to defrarate at. the line when value are, it hast family,

indicated. But I could wish it were otherwise. An mine and Jones enough An somme plant? In habit this is no Drala. In indeprisant pods it is still mon muste thenform. In buhit- and pulseunce it goes with Thysom costus puilles profectly, and I fear that, for consistenting anke two new genera muse to made. We have hard work & get Marcus Jones to sell us plants; at least, it is difficult & obatterin from him the things in one most anxion & ex, but I shall try for his Druba unilationlis. and see for myself if its foods an actually as dehiscust as those of my plant. look as if they ought - to be. On companing my Boerie debiles with Burnellia

On companing my Barie debile's with Burnellia microglossa I saw that the two general went us larger terrathe; but I had the impression that it was Boeria that sunst - subside.

You I see, I De Coundolle, that it is the liver manne; and I am glad.

You have committed an ownsight in referring the Byracilio; you

did not see the divided hours, My opinion is thus - it is my own camora. I have an idea that - anny my Valligo specimens I saw a truce of dission in the lunes, in my or tus instances. Since it will meet with adoption at your hunds, the Hologymme' shall be Crockeria chrysantha, und I wiel read is- before the Acad, meet Monday night. I ful (or left to myself I should ful) reluctoryto reparate generically from anything which 1 looks so pricing like as fasthering globouta.

The I know that the characters of akene mens not be allowed to love the night, in favor y exterior resemblances. From the fort hills lack, Samuents Mrs C. hus lately brought a magnificial new Entrichium which will come in between I. Julium and E. nothofulum; a lig thing, large Calyx partid & lave, not circumsciase, and akines Ruled and otherin most- unlike thon y !, nothopulum which I most resembles. For the character of Echinospenium why is

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San Francisco, _______188 not the flattened character of the offerickles and their preference for the margin of The Plat- backed muttet mungh? Could you have consented & the Gunspence of E. Juni & britterching I was going & cake you & do it, octaining the old preific nam. I will nur, j I can I shall han more things & send you Juns as always ? L. June.

P. S. My proposed Entrichium aportum vice unt do. Parish's plant-is not hike min, but is intermediate between that at true .

E. camercen. E. Sharting is now any bouility.

Post Office Box 2247.

San Trancisco, france 19. 1884,

My Dear Dr. Gray:-It is late to be meddling with asteroid compositive; and possibly you may han noticed what I am now going & ask your attention to, namely, the existence of two species under your Erigeron inometus as last grown & the pres, in Bot. Cal. and Broc. Am. Acad. The Coast-Range plant is so very whike that y the Suras and far northward that I would Sundly be surprised to see it transferred & Aster. Its involvere (glandualer) is so much unbricated, and its acules so gran tiphed that I have named of Erigeron unbricatus. It has, moreover, a liss fragile pappers, a good deal, there has the I enspect that the oldest known form of your E. inomatus, but I sufefice that need not for bed my naming it, rather than the other, as a nur spicies. If I am array in this opinion this whole matter, and set- it's right in the Syn. Il.

Post Office Box 2247.

San Francisco, July 22 1884, My Dear Dr. Gray: paral now, chiefly in Mrs. Cirran's account. The Borragineons plant the says the has out you me before, and you wanted & call it - Currania; but the desires that her geners shall be in Jungi. What then do un hear instead: Madia Kammii ym vill find, in floral character, exceeding like M. Gosenilana; nevertheless, itis distinct enough, Tell Mr. Watson that I regnt for Kellogy's exe crable name of sericatus for that Tufine, because the species is a very good on. How much longer much in he fratient, concerning the volume? Send my copy to Berkeley, by express C.O. D.! Very Inely Yours C. L. Greene.

California Academy of Sciences. Post Office Box 2247. San Francisco, Aug. 4 18/84. My Dear Dr- Gray: - My little Californian mine of Entriching is bring worked only at rulewal, and slowly, but I must tell you now some of the fently well sifted occults, in the fing two sections. I and only muttets now; good specimens & han place in the mys-parcel. Tollming an some propond names. I hope to get a morrograph precited along with rensions and ther matters, in January. Meanwhile I do wish that - Entrichmen Austina, ung carclessly by me mixed with your chinospenium Grunei, may commice you that - the latter must go into Entrichium, so that, in my arrangement y the Eal. Entrichia, it may be called Intrichium Greener, Gray" You see the two an exactly alike in habit: and, while the Austriae has ever stronger and more strongly burled prickles, they are much Confined & the dossal were: and the scar is that of Entrichium. The ocar alme unde reparate this from yourse; but still the two should be un

the same genns.

A perfect copy of these two, no to habt and
officerance, is the very strange fruited

E. lithocaryum. I am sorely puzzled &

Know when I shad place it, in the germs.

Of course, the fact that it looks just like the

Gruni x Austina x Californiam group, makes run

think y't inevitably, no belonging there, but,

those mullets unaling not only any manner of

muricalin lut even a team!

Hagiobothings develops now, in two opinies, a new amountally of exercand sears

E. pectocaryum has the diffuse habit of E. comescus

E. executation the evect-habit of E. Julium + 3. notherpolium,

It is much means the S. Hen. plant-them the As

N. Am. one, het is distinct-enough from both.

The I have skipped over one whom place is my
by E. Scruleri, namely

E. humipesum, which is struler than ? Scruleri, a

has its branches flat on the ground, its calgaes are sided,

all the divisions turned up, (like that) its scar greatest

less basal, and the multiper committee as in all others

Entrichia; for, as I have told you before, in S. Scouleri

they are divergent! Mark also the trifts of

bristles summounting the summications of the multipe.

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You if this letter, with its contacts, take you & ymer hundle y Entrichia, do h 20 Kind as & send me a printing Calyy of your our subglockielatur y E. Californiam. I suppose I hum't, of my our collecting; but I want - & h certain. Also, I am make to find a single printing calyt of E. namm in any yets form, Eurspean v American. Fristly you can de smuthing for am hen to. I muld so like to an just what its pruttets do look like. Kryinbykie I shael not han much & do in. We have perhaps two or there a sh, only in all their lig jump. I had just a half day with hr. Back, and run he is gone to the northwest. yours my Truly Edw. L. Green.

Berkeley Aug. 5. 1884 Dear Dr. Gray, -The inclosed involve accident; for I found it this morning or my work table. Mrs. Currow has been over to the locality I the new games" and more, and this time she brings in us has then there apparently undescribed Knymitykias. two of which whilst such unlowked for peculiarities, that I am ligaring & think the n.gen? may as well he admitted & Entrichium, where It would not be much more animalous than for example my proposed E. lenticulare, whose untlets having the surface and the ovate outline of those of E. livear from are not a lit triginess but actually lentienlar i. e. double convey!

And, what is alrangest y are, the (long, narms) scar is not in the middle of the untral face, but non on the edge, but very near the edge!!! This plant looks my like ? leivearfrum. The second new annually is much mon like the new gener - underd ory like it in aspect, but its untlets an univerlett, and are inserted night and up! for a time Entrichium: but the (good) sear is any near the afrex, to the author face away in pairs, I know it is a little provoking in me to write about such almost incredibly things, without Durding samples, but I had not time to get them ready before I had to han the herbarum and come 5 Berkeley. Yours as always E. L. Green

Post Office Box 2247.

Dear Dr. Gray:
" M. last I have the book! San Francisco, Ang. 18 1884. Of course I will primish a prolonged fast, notwithstanding that Evax as you have I , will toother no who know some things which you have had no opportunity of learning, and that the very bestgums of Madica, i.e. Ingofhylle is spoiled by the addition of the Holozonia, whose most unportantcharacter i.e. the number of flowers, your have sufficient of believe Lugophylla has always 10. [5 ray - + 5 dish-) in each head. Its flowers are "vespertim"; Holozonias are not- 20. My buck in naming L. Congesta anness me, box I know nothing of your Harryonia congestio, which you cité as agronymons. I very glad & see the runstalement of Pencephyllung and the exection of Atrichoseris. Endosed is the post office order. Pary Sincerely yours Edw L. Grun.

Post Office Box 2247.

San Francisco, & Dry 26 1884, Dear Dr. Gray: I one you many thanks for the great-help you afford me in these certifice fragments y typus y Erittichia. As for Hagisbothings I have long own it to ha cull marked germs, in habit, and untel han com out-with it myself, but for the Jack that - I had not seen the our freces which you and Mr. Watson held as distruction of its generic runty, non-eli E. Kingio. Just two weeks ago I hould, for the first time. E. Kingii, and was glad to bhold I lacking the Plagiolothy habit. Now what - will perhaps, worning you will be the new Entrichum Frickense, which has nuttels with scar higher up them in any Plugiobothing. All the some I would make a genus y y- (putting Currania with it-) rather than introduce it ander Slugislothings; the habit is to make, and the habit is to my mind. The strongestgeneric train y Playobottings. I enclose my scheme of the genes. Do what you will with it. What has been neglected of

you in Odd. Cal. & Syn. Fel. & The atter-Confusion of enoughed who has tried & relatify the spices is, the mode of growth. Is that I have mu gim gen a clew. Vot- a un scimbigi bases for grafing, you will say, but - it is then. most useful um I can find, and perfectly For for the Krynitykies; and out - of these, I were them half blien the true Enjurity kins should from a genus by thumster; only I can. hardly su when that business mortel land one, if ne kept- m. isst. I amder greatly that the common plant y Nevada. * Cal, which I have culled E. Condus, thould eur han been mixed with E. aranizeissum. this I may he wrong; for my plant - is evidualty the thing In. Joney had in hand; but that naces hlory to the northing plant, which we have him jun N. Maria. Certain Jam us hour him two shicies. If my conditions is zon circumscission. the pushafs I must gin a new name to the original Lethospenning; circumscissum; which undel he called Enth Critichium Liptocalyx the war I than both ofrices, I am right in givin ? " men rower & the mon condense plant

Post Office Box 2247.

-San Trancisco, 188 which has the small functiculate scotoms" mittels, for this can not be the L? circumseismin. How. I know not how you will like my addring & think species & the Glerygium grown. But what can be done with the thing? It's projectly smooth less sharply angular much lunger mutlets seem to forbill its gaine in as a var. 33 mm ? orgonum. Terhaps E. microcalyx + E. echinocalyx. an loth letter organded varieties y L. oxycanyum, intis that heomes an extremely ranable spices. If what I have rendicated as the true I, numerilation In that, them your our, unbiguous and ha species, not a var. C. dunetonin is a chuler! in E. Courte nd, (or had not fratience) & disentangle the plant from to supports, and so only bringht . top trues lopped off. You profounded & me the question long ugo, about what is to characterize Echniosperman, of Echinoglocking

go inte Entrichium: and I have longingo

in in that I su not why are many not

let it rest - in its flattened prickles and their

inference for the margin of the mithet.

But my knowledge of the openies is imperfect:

I have planty of Lappelle , but in none of the spainers,

line do I finel prickles scattered our the lack of

"the mullif".

You I will not worm you with a larger letter.

Very Sincerely Jures.

P. L. June.

Is. I did not mention that in what I have taken us entitled & the name E. cercumacismum. has its caly a good deal loss prompty circumscissed. in we find it in the proposed & condusation.

mentheless it is circumscissed, a strongly 20.

Post Office Box 2247.

Plagioboltnys. * Steves exect-, form a rosulate tufs- y leaves, + a foot or two high. J. rufescens. J. & M. Calya partie to lase; scar excavate! P. nothofulia, gray, Calye circumscissile, scar not excavate. + + less than a foot high. I terrella gray. Slender & much branched: mittels small with strought transcerse lines, and conspicuously musicate . Thaslersis Green Smaller by stouler and simple: mittels very large; transvisse lines less prominent, municaling wholly nunting. * * Stems houndent or diffuse. T. comescens, Buth. Calyp closed in fruit; hanches spreading De aperta, Greene. Calyx open in fruit; branches prostrute. D. odvilocarya, grune. Caby partid to lase; scar excavate, D. Yornyi. Gray Calyx not aranmacisale. I. Arizonica, grune Calyt aramacisale; muttels of L' carrescens marky. This I lat manuel as a spices, long before you prouled if by it in. of correscurs.

Mith on if have shill your dea are Hazishahn; to you.

Berkeley. Oct. 30. 1884. My Dear Dr. Gray:-While waiting Entrichium I have hen digging into stack of Scimuli which ar have on hand, and here I am much troubled about M. mbellus. I intertain no doubt that we have two or three good species going under this name. I can find characters for them het not names; for I have no mbellers from N. May, or Colorado, and therefore can not ful so certain as I until wish & about - which z onn Cal? (9) doubt ig en henri Calif true so, milley) or Nevada specimens are to go under that name.

Then there is your rejected M. montioides which I believe will be the name for another. If I could only see authoritie and original Mr. mbellus and Mr. montivides, also the real M. rubellers, latiflores of Walson, them I would Jul like taking hold og whole "M. mbellus" of ym later writing in earnest. I havely dayse hope thatyou can induly me with fragments, the stock is app & h so small, of types. Your vin augustaling of M. tricolor is a most-excellentspicies, with capsule brouden them long, (0)! In is M. Clarkei, /Ellogg.

The tallin M. Donglasii of our looks, which Mrs. Curran and fain have called SK. Kelloggii, is M. atrofunfuseus, Kellogey, as good a species us any in the group, There are four or fur very good u.sp. in sun collection, which have been taken in this your, my and When the two Minulastra which you have notherd up. sufficients for you will he send by and by, gall of them. I must tell you of a most muallh ner Bigeloria han lately diagnosed. It is both on leaf and oten, hat has while - tomenton involveral scales. I have

Callel 1- 03. furfuracea. It- belongs to Aplodiscus. There is but a single branch, apparently old, but well presence; and Dr. Kellogy tells me down anny Their whose venner the has forgetten, brought - 1-Jonn som Arryone on N. My. military fresh. Junes um truly ? Greene.

Post Office Box 2247.

San Trancisco, Sec 3 1884

Dear Dr. Gray:About - The Egletes Californicus:

he I had rad Dr. His description: H- is some form of Errophyllum Caspitosum. There is no specimen: but - in got at In. Kellogg at ma and made him forming & bring in from his house, the drawings and familings y a arrows things, which he kufis boxed wh away from our right. Jesterday morning as had the pleasure of brokering as them all for the first time. We will publish a list- y Kellogijo syrungens, together with the vanus the plants now bear, in me forth Coming Butlitin, That will be y unice to you and others. It will also a to k scheel upon, for then is no mistaking what spicies Dr. K. had. Det is vry consciency accurate to far as he goes. Will, the Egletis is even the one type of / Eniphyllum Couspilisum, according & ym. The Gentstemm tendly is munistakably

J. azuseus. Jour announcement of the Minules pased has just - come : the parcel itself. not yet. I will write wheel - I han & ear about that give immediately, and send buck the pural. ym an a doubter (and I don't . Harm ym) about my story 7 a Bigeloria Justuracia, hut-I vice rend you a leaf and a had, of I can thuch y it when I am muting wh " packet-for you mys! Jours Sincerely E. L. Green.

Post Office Bex 2247.

San Francisco, De C. 4 1884 Dear Dr. Gray:Can ym please
till me by p compare at once and tell me by poss-Card if this is your M. laciniatus. I take it for a var. of M. luters lus-Just. M. mbelles parcel came lastnight. I will remail 1- B-morrow I hope. The glandular haing plans from Eregon + Washington & S. Cal, with rose coloned flowers, first - Collected I Brewer and with which two of your shuts an mostly filled is to be M. Breweri; and this has the main point I effected & make. M. montroides must be notoned, and get another m. sp. will be made "
out y your "M. mentioide flor paro". y which good specimens (which you have not, shall be sent you. As Ever. S. L. Gomen.

Gerkelen Dec 3. 86 Dear Dr. Spring:
You han done me 40 great "a Rindress, in Deciding thes miller, , , , ... , chimuli out of your great herbarium that I am likely & sufray you with a long, and many pointed sermon about the specimens.

I 1st. M. montioides Group, as to the plant Called the mplus our, latiflorers Watson. Neither you nor the Walson appear & han noticed what is the kest mark of the species, namely, the durisely long boarded lower life of the corolla. My M. barbalus is the same, but of come yields & your name. I do not count in, Bruis 2785. High Southern Sierres " non the Nevada plant - of hein! Wheeler. The latter will from & h a humanns in my ofinion: the former is too different with from this and from empthing else on the sheet, and is more like M. mebellus, yetnd & h put into that either, by me it Mr. Waton's specimen on upper right hand comer = M. montroides y course; all the nest on this sheet - M. Interolus, Greenen of, to h distruguished from M. onbellus (contil an see fresh corollar of loth) only by its

calyx having a less open onfia distitute of the prince of whost hairs, the teeth sharper; and by the proportionally and longer, others capsule.

M. subllus can always be told by its calyx ling more open, and the beth more others, he especially by the citiolate orifice. It has not been found in California but by its.

Current in Jake Co, and Parish in S. Berido.

Though most (2004 all) of the latter?

Specimens an y M. Breweri.

On this shut I have taken some liberty in the use of my puncil. but puncil works can be erased. Jerumins

Ashan plant I lite pers for M. mbellus altho' I lo not like the color of the flowers, for that ofucies, they look purplish. I dan my they are gellow in the original plant. Its for Palmins 'S. like N. Assignment the only the specimens (enacl) means bottom y shut are used proposed M. luteders; the upper.

IV. This plant of Suksdorf will apparently force the Jaroposed M. buleolus down to the grade y a new var, y M. mbeller. The calyx-orifice is not open enough, but the ciliotation is manifest.

V. Bolanders plant it appear, left hand corner is evidently I think, M. leftalus. all the rest. M. Breweri.

This plant, es any different process of the shellers, and his distringuished early by its long, gland tipped hairs, and great clauminuss & the touch, and by its very regular corolla limb the color y which is non-furple, near inclining & getter. It has a great range with and muth had does not appear to wither eastward or without of the Sirra Newada chain, does it?

VI. Hen we have M. mbellus at top: ateach corner blow. M. butevers, with 3 efections of M. Breweri stuck in letinen them.

On the three sheets which I have
left were what I detect only
what I am willing to each good
the militury according to your
original.

I have long been of the opinion that
no character is more important, in
this geners. Then the forme if this
corolla. I am always printing this
view confirmed. He shall not know

all the species until, we can ever pare them in the fresh specimen. The way lest char. of M. Bruni is the nearly salver. form and regular corolla. In M. sublhis M. Puterhus, & most of all in Missionlindes it is more or less strongly bilabiate, in thout grading limb. , are sending you a fier additional The come of the ofices. I thought I knew the "me M. inconspicus, and therefor made a species of the Mr. Drabbo plant. But now I fear in han none y the original and true thing, and that my proposed M. Californicus may h, as you. Cill it, a form the rest. I send you a good spicinen, and, if you have no love duplicate of the original for me. I shall take green word, if just like me to lef M. Californicus "go for M. inconspienus

I am much obliged for the specimen of the sur M. exigues, which, I blieve, is supullished by you. I goes micely alongside Mrs. Currans M. androsaceus, which, by the eng has been lying in this old burlanium for years. Collected by Loft, and by Sisen. I geturn & you & day, your parcel, for which I feel under great obligations.

Han you any specimens of the Planetage I send designated as new? I think is is common on the Im Juagian plains but I can not find that any one day has extended it. It is wither C. punished nor P. Bizelori, you will find if you your .

Yours kay July S. L. Green.

Post Office Box 2247.

San Francisco, Dec 2 1884

Dear Mr. Watson ... The diagnosis of a new Avicularia from Mrs. Austin (L'Austina.) has led me to our hand. I terme, out of which I have taken the waters plant. altogether, distinguishing it any readily June the castine and calling it I. Dinglasii. In var, necesospenning, a hun always held & h distinct and have named it Y. Engelmanni. These things go & the printer in a fewdays. Outside og Polygonum I strink I ham ud., this year, gove upon any body's ground except Dr. frays, and he is protty well frosted in my peregrinations phytological. Mrs. Cuma is engaged when a frice of libbographical developing for which, when dine the thanks - I wo wer wier hoden. The is going to print in our fortherming Bulletin, the. symmetry of all the Boe, Cal. Acad, spices of former pass. A govely murber y dr. Kellogijs names will have to he restored: hacroscapa for ex, and for

h fily to) in place of the hant ful Stropholining & Very Indy Jours Edw L. Grune.

Post Office Box 2247.

Dear Dr. Gray: - San Francisco, Dec. 31 1884. each accompanying valuable Minules matter. I han just undred a auks avok on un hundle of the luters, 2, and altho I have taken our too or these excellent species, I have in both your Earietal arames, with planty of specimen for each. But I shall not prent - the doubt I actually Jul, as to whither in hem in N. Am. any M. lutins . I. except you var. alpinus (of Colo: for the Sierra plant M. Tilingi is as good a species as the grown holds, as you will see some day, by its matted and interluced, and colored, subtranslu-ohnost-cut, rootless protetocks!) Our 4-feet-high plantfrom Alaska down, has weether wortstocks nos hum a friggis lungth of horizontal, noting stem, it is using poetry to each it more than a unity annual. Nurtheling, I have it the name you and enoughody ilse has given it. It is lest so, at least, until I can see more I. Am, specimens them I me han acus to, M. lacimatus is herely & kuch out of lutins them some others; for M. Eiseni, Rel. From Cal-Acad, is excel and sturing with hences has tuciniate, Ais manuedors not meteric.

yours. and I retain the species, putting in M. Esemi Name's plant- just sent from you is apparently what I have in manuscript already, under the even M. Parishii, obtained by Carish two years ugs. I have written & Mr. Swin, asking for more I his plant. I must send you another packet - g + h. 6 2how you chadia citriodora from Modoc, Co, with akunas nearly no much compressed latitudly as in most states y M. sativa ! Do you had letter have leftit when it was first hut. I guess! your Minules exiguns, from Z. Cal. I am discribing as a ver spice "Juny in hist". for it is not in front get, that I can discorre. of Jan uning tel me. Yours sincerely Che L. Jneans

S. F Jan 15, 83 Nas der grang. Other that the letter Minutes of was, in hou, uso, ju december out 5 year, is only ell recommendations ordered in organism with a will I wer's goe would have for the plant in one of your rubillies shut, and tell in ? and allested i'm hatheryin to get the to the sound of the sure that i'm received them that i'm received in the second them that i'm received in the second them is a second the second them is a second the second them is a second to the second them is a second to the second them is a second to the second the second them is a second to the second to the second them is a second to the second them is a second to the second the second to the second



NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIN PM

Dr. Aza Grac Pe a brileje Maza ep mette

Berkeley, Feb. 20, 1885; My Dear Dr. Gray:2 mas grite stantled by the amountamentof your setting forth whom a journey in this direction doubtless I am sending them lines to Juneson at a premature date: but I am very auxims to know as early as possible just when you are to be looked for in even the anothern confine y California, that I may not ful of suing you; for it is now arranged that I spend the month of April on Cedros and Gradalufu Islands !! I necessan I will go orrland & Sen Diego und perhaps meet your in

Den Bernardino where, if I un correctly advised, you an expective & spend some time, lefore coming up the, any divished my proof. - reading Tues days lago, and the Bullitin will be out before the and of the month. Perhaps befor them I shall have horned from ansh how som he expects you, and there for you; and I beg you the patience, what I have and about Diplaces, Erenams and Minnelus. Then, with Mrs. Currous help, is I am nothen you can find own specimens and one of they are not letter than yours,

and perhaps he commend that my views use nothard to defend. Surely you han news seen mature mit- y Diplacus or you could never have made if a section of Munulus. And so I have give you a hint wont - the somewhat -Indical changes I have forford in this growp of western plants. I hefre I shall hear from you before March is nearly days old. May Sincerely Jours, 24 Syncere.

San Diego April 2, 1885 My Dear Dr. Gray:in getting to San Diego, and I do not su much prospect of a speedy getting away. Dunn is not get her, nor even heard from, and I han hun here Fin days. The Tomacula Conion was too inviting, and a stayed two days at tall Brook; I therefore missed For Farlow altogether; but his. Gray's letters I mailed hopen I keft the train; 20 trust he received them as. frompthy as he would have Une had I carried them all the way.

Diplaces funcions is a encore Anguse bloomer by for than & glutinosus. I found a for last years capsules, and the tulerculum enlargement y the base y the otyle is just as con-- friends as in the species last rund. The Joliage, as you will by and by see for yourself is as unlike in the two as need h for the left of species. En The characteristic publicance in its abundance publicance of the genus, you must look at the single specimen 3 D. Hillatus Kellogy, which species I han, on that account, placed as the typical one. I have not get bur able to It my eyes when graine or living Eunams bruipes. the mich corolla of which

desin to examine; not that - I naw any fram of its makening my convictions about the volidity of Eumannes. Its caly and capsules will Keep it there in any opinion; and get, the corollas of all Eunami that I have seen fresh, have a "cut" of their own, which I ful confident a shall sec in this our also. They promise are that the plant will be in flower by the date of my probable seturning finn Cedros. But you had flowers! I hope you will be pleased al- S. Burhara. I hear from the Acad. that the letters or Bullitin which I had out to meson for

ym, are back in S. F. already. Ulm must it then know about to start for S. Francisco. The weather is bright and fine her , all these days. Jon must certainly han her unfortunate in Jun time of coming. I find it all the while smoon fortally many and hapen . With very kind regards, to you and In, Gray, and with mucese rights that I can not a of greaten service to you on this Californian hoping & in of for the outhern everts in a fur days. Yours as always E. L. Green.

San Diego, Cal. May 18. 1880. My Dear Dr. Gray:
landed in Sun Diego Dome Heisty hours since after a tedious voyage of thesteen days from Cedros up. us. I had but three days on Cedros, and those at a most enfavorable time of the year: too late for the spring eightation and to early for that of the later year: neutheless, I bring fair freimens I som forty species from them. Immi gradalufu I han mon than security spices. The most fruitful single days collecting has at- Cape S. Inentin, a hundred it miles this ride of Cedros. There & I obtained about - turnty spices, more than half y which are

I send then lines & Cambridge for the reason that from all I you an thise lefon now. I hope you have conquered that but Ald before this time. I shall send you a set of very plants. not at once, get before they are ready for actual distribution. Do you blever that I have never received anything but the ferrot That's of your lates - paper in which o has and am to much intensted? He same is true - nong less than that is true - of Mr. Watsuis. I must not he left-out-, that way, In great histo, yours as arm C. L. Green.

Berkeley, June 17, 1885.
Sear &r. Gray:
Goar letter and

frost-eard an just in, as also
the paraplets. I trust that where you have and more give through Lidalcea we shall ligin & know how large and fine a gumes it actually is. There is our y my species which I am in fran almy, and that is the me I have not seen growing, namely, the northern an which I called "campestris". Here I dine my work now, I would put-it- into malvaeflora, that is humili, of the books. I have now sun truce, y the some fulrecence in Californian, states y those species. dam sorry about having

or Rooked or ruther forgotten Charcus Junes S. ealy cora, tho I doubt if I should have idnitified it, from his description, with An. Cumuis plant. No: I saw nothing y Laria down then: it belongs & the mandand offerede Cedros, 30 miles any when I eneld My tur Heroshepas!?) must. le un unlike 9. macropline 5 which you refer me : for thatis like its congruen a prostruli hurb. Mine are ever and neid should. I expect them & consilité à gens; huthan not get come to the critical examination of them. I'm just though to the Trasacca, where I find I have a new Tetalony linearis, Stained on Cedros.

I shall be mailing & you a parcel for Mr. Bull, fintly som any many, and waiting for the arrival of his firming sending. Worte to me and tell me so, if you think of anything in particular which you dear out your Academy lettections. I want to my here, that I find I have not done justice to the generic chan-- actir of Eureums. I felt a heth trivid, in the seen of E. breight, Now I regard it as a spices in which aline the gener night h noted. In spile of its hig yellow corolla. 1has the dusk, municulate suds of Eurous proper, as well as that musty tolacour - like touch and smell which an always pointing to a almy affinity of this whole & of Emany proper with the bolamace ! yours as even E. L. Greens

Post Office Box No. 2247.

Dear Dr. Gray:- I am muiling & you (registered) a small parcel for Mr. Ball, and I enclose inside the arapper my two Thacelia from Juedallfel, in compliance with your regress. I legin & believe that - the small me with such abundance of small, light the flowers, is what you han mude your var interrupta of P. phyllomanica and of lut I could not at first think it horible. Any way the are I have tickited ! phyllomanica is a half-shrully thing your 6 fut high, the other an annual selderen surfaming on foot! The latter is much earlier & flower. The lig one was bank trying & show it dark evold - Corollas, at the end y April. Then wee probably be no use in my alternating to get. from Never, a grangement even, of the Catalina plant, but many in I'me! some day get to that island myself. I de en Phacelias but Prixode, en intre-Cedros on the puninsula. I shall send another pared to in Bull I hope, lefere many webs. I lim Sincerely, " " " neene.

Berkeley, July 3. 1885. Dear Dr. Gray:-Gran card con-- cening Phacelia has just come. I am confidut en han, in ven collection him, undercribed Phacelias, mostly in our bundle of I tanacetifichia". I have showk four taking hold of them, ming & my inability & ascertain what is just the original I hat spices. You have taken out of that, I think men than me good one in the course of the last ten years, as in have also here doing With that former Angua Jocket, "P. crumlata". I hope your newly detected P. distans, Buth will h one of thon which I have buy Jonn P. Canachifolia. I kenn it all to you, however, and are glad to do so, and I am it so

gratified & hear that then wie ha a new issue of the volume that contains them. I was about to write more when Ennances, strengthering, as Jan now able to do, the generic chan. -actor; but I can gin you the finals, and myself forker, if you hike. Yours as even C. L. Green.

Post Office Box No. 2247.

San Francisco, July 2. 1885 Dear Dr. Gray:- Jami deploring daily, while aigging away at my L. Cal. collections, thas-I can not have access & the Bol. Sulph. as it in that that Immeria chenopodii jolia is discribed! Do you think what I enclose will be that species? I send you half I ran y 1. In can not be your of evicentra, altho' it must b related & it. The guadalupe species which you referred with an? To I beforematified my specimen, There clearly & a distinct. The firtile involuces an globose and 3-seeded! I found it is Cidros also. Jours my truly C. L. Greene.

Berkeley, July 15, 845. Dear Dr. Gray:- Altho' Dan now gradually making up a paral & send you, I will enclose a specimen. of Baria Palmeri humith. It were a pity to find poppus characters diministring in value here . husso I fant it is coming & haso for ay. I am certain that those S. Cal. Honce Thlomeris are one species. I. got them all thru, and widen Enditions that make un doubt if they he with distinguishing as named varieties. I wish I could on the S. Clerments frent, and in Lyon is the collection I can, and Mrs. Current is away collecting, down in dunting Co. whence the is sending some interesting modities, all of which you shall on before long. Yms un truly 22. Green.

And this is P, S. is, July 17; for I have opened your letter to dess. Genous.

I send a fragment of Lagia gravolus.

I think so . Kelloggs from Antioch, y which you send a head, may be the same; but then is now of t. of his collecting, in this herlarium. I also four in a comple of fragments of what I have taken as the L. helevotricha. The way decidences furposes is a fine mark of way species.

No other Lagia has it. E. 2 G.

Post Office Box Ho. 2247.

Dear Dr. Gray:- Gray:- Your Chies Minulus, just- in, you our inclined to ricker in with M. modores: but all that sort of thing, and we have plenty if it extected long up by Bolander, I have put into M. morriliformis. no you can see, for I have referred to Bolandino specime, which you had nowed for him "M. moschatu" The mouliform sootstocks you would probably him forme later in the season. At- hust-, I here always forced the. forming as the plants were going at y. Hours, in August & Seft. They may perish, for aught I know, with the growth of the groung plants in Spring. The strong yelemal phication of the corolle have " " and the dicided chrystion of the seed, waster M. marily may as distinct from Me moderns, whose and lacks nothing but the flattening of its ends to bean . 1. perfectly globular. As for the musky soul: that , I am now convinced, a her it week !. will , At is found, chr. Lyon assures me in the inserver, dum his hay, I am confident - I to have been awar of its presence in good the merculiformis and com un certain that the enzone willows

fre I en il in wia are strongly amusky. I noticed it so both in Sert Mto. o in the Seina years ago. We must set our friends to find ourif the lig M. inodorus does, late in auturn develop the miniliform ovotstock. I do not think isnor effect it. But if the species is & h reduced there is when it must- gs, or not- muto the sursolventer. Sundy in an olliged to it up the odon character; " 1. thon of the civilla and seed are, I think, good bon the maintinance of both M. monthforming . M. indoon. What I have nekoned as blinging & the latter is never according & my krunledy, a small plant. It will average two ful- high. - were probably written you cannot already regarding manns: but I endone a few suds of E. Bolandini + ! . Trentes. Under a good strong less you will find there municulate: or many other species of Eurannes proper, show a having this may; + 20 does [Kinnelastrum) prictus. The oily eiseosity, and the sickening oder of your totacco, Itime, in oural spices, and traccally in com one of the species y unper Eunanns and & Kinculastrum Beath o Hooken There withing about. Probably Mr. Beatham. him with his cys land, would from said: they Win soluciaceurs but for their opposite, land : His will escape the knowledge of the ablest closel-tolonist.

but when once know of must a taken auto account. I did not make my more andacionsly, & show how I could dan sit birth an Spinion differing from that y the allest bolarists of the century, nor even with the thought that, in Julius generations, some anthorities might take my new. I think no Istanist who knows this plants familiarly as an know them who for years have lived arriving them, will approve of their reduction & chimmens. If nally like to me like a subversion yall mes for the systematique y garufulata & pul under une jourie name such corollas of those of Comones Derglasie; 2. Ashansis, x Minneles ringens. Durely Butham and not han done it kning what. he was dring, as you and I know. It is firstally because I her her, for the men had, a field strelent -, and han had ten or a dozen yours of about with detecting the amors y learned men of the herburium and library, that - I dissentstrugly from your view that Benth. + House, should her influence with you, as they do here, in this case. But you have their realerial, lefon you. Ju can tell if they had means of knowing even the fruit characters a to "insidera"; minter of spices of Emanes, which I doubt.

Post Office Box No. 2247.

San Francisco,

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In Munches I fear there are some errors y min to be corrected. M. guttating and take in those annual forms which I sought to nature under M. miensphyllus Buth, & also my M. masutus. for in the south past of the state of formed plenty of thon francier calyaes on plants which had not the winged stren must be small corollas & those wel weeked specimes on which I thought a spicies would be well founded. Wurstheless, us-Well Saints Bong I obtained what now just like the Masulus, in its less shape. The opicies, is, us a while, almost annual. Jaken as a whole then an my few plants which propagate them-- selves from on ham & andhan by notice lasal juices. I am not some What-I have detected it in hot one instance. I will send you men spremmes & + by. Diplaces stellatus has foliage of a grite different. texture from those of D. glutinosus, It mind h distinct. Its corollars are only half as large, over been I seen that Julescence on any

marre and tom. D. pallidus you muse not conformed with D. lingisloms. The publicance is un unlike, and the corolla is of guile another out. The plant you left or my talk no & latisolins is only what I should east the ordering D. glutinous. D. Catifolius connes forme the Sierras for fort- will of them) and has also its our Characteristic Cirolla. An is on more fint, in Diplacers. D. Junicen, Hours four month, carlier them does & glutinom, and get then is nota wick's difference between the flowering of the same i spice, y plants, in Sun Diey, 6 Sens Francisco. Ane, both species of Diplaces scatter a few flowers through the whole year; but each how its 6 or 8 weeks, I propose looning. Hi is March - April with the southern one or July + August with the unthem. In trus + shows growing with the Diplace in both Counties (as for ex hierous agrifolia) Just for the their leaves in charch, and a neck on the earlier !!! in S. J. than come gunder. But I Think you admitted the germinener, of puriceus as 8 (ander if t is pur purpose & put gorth * the new issue ythe Syn File. I for winder.

Post Office Box No. 2247.

San Francisco,...

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And, if the wevest wel, is also to be reissued and amended. I hope not get New things are coming in too fast. New alterations are perfectually suggesting thursdors. I have already in manuscript on thing shich I rund - till you of. My hit, is the roulf- of a settled connection which I have bun coming to for sural years, that - your & Pulyioides of Carphophone is a good germs of Aflianthvidea. My Cute trip along the permissile your un the means y settling that greating byene. a doubt-in my un- vid. In would not believe and when I told you fin years ago that the flowers non yellow, and I see you have rejected the testimone of eny body ela to the same fact : you could allen Ahm to h "och whenever" hearen thus - need adming there when Mr. Benthem placed them, in Empalon-- acea: but evidently meilter he, my your after there, and carefully noted the akenes, which are such us can not hadmitted in Enfelorace. Inshape you never but them water, I will send you man, in me, Cides buille, that an so, and you will are that the

slife neathy into Helianthridea, when the deep melices flowers, and the rough, him fline smeeting hurbuge angests that the species may being in spile of the Johnnon aure of the puppins, In thing which is not new in that tribe. I have named the gives Bellia; but from rul- yel- the Bell. What will you think of this? I have lots of new composition in M.S. and you will red- Rome me for professing & print there myself first, rather them have them go one your book as "gram in hist.", I there is trong for un to do so. In final grung is: Will you eur maker your may though this any big episte? Von Sruh Jus E. L. neer.

20 01 60-

Post Office Box Ho. 2247.

Ban Francisco, Jack 28 1885. Drar Dr. Gray:- I do not believe I told you that I believe the stillate hairs on Veatch's opecimens of Diplaces, Etellatus are derived from a Sphæralcea by some accidental contact. Last unites I suspected I, and evuld not trust myself to credit them is the species until Am Currow, with the help of her ameroscope, gan we her opinion that they did belong to the spries. Now I am our she was in evor. Stile the publicance is premiur, and the texture of the foliage is most different being that young ther species. I welon herealth another fragment, in June respects letter, I grees, than what I han already sut. Thanks for a fine specimen of Euromy Paryi, which I received of Berkely get to. Faithfully James ? I Gran.

Derkeley, Aug. 3. 1885. Dear Dr. Gray: Jame ving glad & have then Eveger specimens & chimmles. Ferhaps I did not unti to you that I have already, in my own mind, given af M. microphyllin, as all-getter unteraffe; partly because my this season's careful investigations sum to tell that even the dangestand strongest- fines yell. guttatus an solding mon Than anneal! It is actually mare for it & produce stolon, that survive the ninter. In most-place where it grew abundantly, and three or four ful high, I could not find a trace gif in February; and run 1- is blomming again from seed in them places

where I fead acusery supposed it to wist permially. Com the lig spromen I drup you lately had grown from and this year, and all on that spot an une mark dead. M. nasulus too I fran will handly hold: I sow so much in the South Cal, negrous Frasmy nether intermediate. Still Mr. Newn sends the True thing Jun Lis Angeles, and I collected it as true & the type Curry down on the perimenty. Jus on Inh, E. L. Egneen.

California Academy of Sciences.

Post Office Box No. 2247.

Dear Dr. Gray:- I mailed you one noti be lay. San Francisco, Ang 3, 1885 and here I come again; this time a begging. I han just unded a critical examination of uch an Engritzkias, in the light is your rension. Some of the species are nauting. Could you furnish us with so much as a single good multer- y the following? 12. leisearfra, B. hold tera and it, intermedia. He have not a scrap y either; but we have several underented ourse which I Justally have not get sent you. Uss. B. Currere. just - returnand, lids me say she got plenty of him mer Acunthamenthe in Nonterry Co, and will send your some soon. I fut in humith arm nin fruit y Euriain, bringer which the has brought - from Sidings Co. You can get religion the finds dry as they are, I yours. Gins un truly E.L. Journe.

Berkeley, Ang. 4, 885; My Dear Dr. Gray:- Grun letter in response to my little parcel has Bjust come. Jun gin un some we light, as well as some old - jashstill rouch scolding. Now Siplaces according & my Ist view of it, is a most unegraliful Be and my view is simply this; that its aprecies, the very good to the number of at least five on six, are obliged to rest on such (ordinarily) ruther small matters of puliscence, texture of foliage, shape and ever um, of the Corolla. In other words, I honestly believe that, in the matter & even the Evelon of the corolla then is no variability in the species! and the difference in firm of

Corolla is along- the server in at least them y there. This dam will amon, seein, enake ground to take; at the same time, I blien it will he perfectly tenally, and that, upon no other theory can the genes uns he put into acceptable shape, in any look. I had enne to this emclusion before I ever wrote the name Diplaces in my last winters Ms. The observations of the season new far past, frem strongly confirmed me in this view. As for the & latifolius; I am glad to know it came from clanting; it must then he only a broader leaned state y D. ghilinon. But the fact remains, that the only spreimens I had which shuf- under that norme, are from the foot hills anny back.

of Jaconnuts, and must in my finin h made the type of a u.sh. Their cirolla is of allogither a prenhen ent. I will puta piece in here, when I go our in the morning. As for your having seen my proposed & palliders in S. Berbara, I han in idea that such is at all the case. I trust; until I see your sprainwas at least, that - you are Ever founding two of the best spices. I know what theces your about-I. Burbara, having studied them then, putty campilly, a year earlier only than the date of your Lymn. They an &. gluturus, + D. longifloms, the latter with light salmon cirollar y very pearliar and distinctive cut, and no truck

pearlier pubisana y D. pallidus, whom corollas, tinice the size of those of D. glutinous, (but of meanly the same shape) an almost white when fresh, in spile y the fact - that in drying they change to a duper estor Than Those of D. longifloms. My new one is, so far as I can discover, the only spices whom food lacks The little knot at the end. Now let us me if were the pubscence of D. pallidus com h found on any S. Barbara hish! But I think both Churchand & Concutt have counted just my plantin I dieg, Co, buck in the montain. So then, my conclusion is theyso long as you can say, "Really * seriously, the flowers vary from orange & ochrolenem, on

the palest of buff; you are emfoundity at lust three (3) my good species; a thing which I could more easily excuse and submit to, if I had zwe-20 campelly fromted out the remarkable shape y corolla in D. Ingifloms which spreas you must han sun lots y right along with D. Ghelinons, and men thing (to my knowledge) the least sign of numing into it. Thanks for these little Mimuli' from Chico. I had sun nom quite so small. Jun will, I doubt not, err if you run anything wito M. moschatus heaven it amello musky, I tell you again, M. mouhfismis + M. primuloids an smitimes to. But - hour

As Even, 8 g. B. can you put M. modores in us a vor of a species which. ovoting stems? If that had to go wither any I would sedna it- & moniliforni, As for the name of the latter: you have the original throng as so named by me. If did em in frutting som smaller firms of the modorns with it after it was published, that is nothing. I see not why you should histerte. Som den gen vill nemoder yur Krynitzkia namosissing and will han to obseid which one of at least these species is to take that name. I speak y this heave I was struggling with that menter all day yesterday! I was going to answer me of your little phonores of impatience of

Berkeley, Aug. 13, 1885. My Dear Dr. Gray:-Lus days souce I received your instruction note concerning dimmhis incorpieurs. I know I had two spices then, and it is well I about the idea of separating There, since you tell me one is M. Pulsipine. Jun confers to having mislig me by telling one that may Joeka plant which you now say is M. alsinoids) was de Pulsiferoe; to my error was that y a fur feetfoith in your cornetness as to gun om spicies. do day comes a letter enclosing your Munulus anferendus, another Eunannes which , in author fin years you will here to magninge as a genus. for commence take, of me the cu,

branning, in equal strength, the human, mark, kup coming in, His is one I had rever sun, chang thanks! I shall be instructed by your oursen of Muncley, and mustdern brueft from it homen hard you sit upon um. This week I have buy much temptation of laying rivlenshunds on your Tyour thamens! The spices from S. Erry. Island L'asplemificant, most beautiful thing, with lifematified, formy Flinge, has stipules, and our almost. 4-celled grist-; but the reeds an fundulous: 20 y it is to That put it there. But I ruly emelule of last- Thatthe girms must stand, you shall see a little of this som. Now will you take the trulle of saiding me man

a fragment of a Vimacladus, Jonn New Mexico? I am in som trube. I took up and disembel , yesterday the fine our our of my our collecting in L. Cal, both with compoundate (tubless) and mark regular cordas; un quito fellow glabours, the other Conerous - pulmely They at one with elongative cupouls (who that y to longiflones) the other with a definered, un fre seeded on. These fine modlies hum led me though by the discours that in him nothing in the state & mutch D. remonening or originally discribed and pigned. Imm Numba only have me plant with such stamens consta and sud. I on 9

would be rejoiced to an a single good flower, or capsule, of the original thing. I hope you can help me has joined me in the work of making who the persul of rom things for you. The has brought treasures indeed from her joining.

Jones as were E. L. Green. the identification of my freeins the springs electron. The open the work of my has been born the surface of the one of signing to a shiet of some of signing of some of the sound of the solution of the solut y S. gonn dem ut lust, with I am minded to mi adom - i gruelpil.

Den Lely, Ang, 26/83 Den Dr. Gray, The Gentiana frustigt did enot get frustished. It is a gennes of have fell timed about, never having worked much with it. It is too late now for me to fruit it this year, to it is light at your disposal. I hope that along with this, in & momen's anail, some pages of Bulling do 4 will get started to you. I will return your Enjentykia fragments, such as you asked & hour returned, ma a day is tur. of love of my a 2h. goes to you hunwith, registered, and, in the recent frech

another hundred spicie,

for you to home of Bolenows

for Mr. Bull, whenever

you can do so.

Tiny Sincerely

E. Ly, e.

Berkeley, Aug, 28, 1885. Dear Dr. Jray. Already I have mailed you b-day, from S. F. one undope, and now I came & B. and get your letter with The Nemadadies June El. Paso. That fragment and not have helped much, for it- lacks sud. I expected to make one equorym. I frank, and still from, there is in ouch plant in the world as is figured for V. ramossimus Vuex, Jugan will I think , he my N. rubiscens, and that is the me which I frank und "go unden" posify, as ling a synnymy naminsissimmes. With all my mice specimens with seeds (which have such may characters and so reliably)

ym will and blance me, I hope, for the pecadello I confers. I nekon that 4 of my 5 much stand un seense, and that has an opportunity I could not forego, Then was no time for me & hart for a consultation with you. As for Symothamies. Gersonal motives alove would have kept my Jour distriging the govern just Jegen world not hear liked as coming propor in it to you has Thecome (me have by- one fair me) in the paral, until I had you: Then gesterday I unclosed what ") could, in a letter, but 20, your han fruit as good as anytodiz, y this new one at lest. In unte me perhaps four years mice, that Mr. Watson thought of Justing out a new edition the Africa Bot Cal, in reduced whape te, and

what I meant by my question was, to be informed if he still loss in which can I would have the maittel a few years.

Yours for Joseph Long Joseph Edw. L. Green

IS, The three months betweenthe I field in the luministy there years ago has been remembered by an appointment (for a paramana a "with it can be made a Professorship") to Instructorabile. \$75 a month is reckoud from fray: but it will lift me out of the abject fromty I my bush two years.

Berkeley, Cal. Ang. 30, 805; Dear Mr. Walson - I han -ch arrival of the copy Juny last Contributions. The paper came in response Dan appeal I made for is to Port Gray, o gruss during your absence. chat one sent cartier runst hun miscorried; for neither or Mrs. Purran frad sun any copy int the are which nearly to the chard. Leveners". 21- is time, non-, that - 2 should make my acknow-- indgrum/5, for of I shall h mailing & you, a day on two hance, ceruther- Ommely y my studies.

Dr. Jon nas just Enfreid, unte in my chat pagali, which some hom to lose their heads, by reason of my printis delay. We must clear them up curefully lefore any minn is made. de also tells un you mant J'' Filygomma Donglasii = ? P. evarotaline" I throught I had made it perfectly clear that may t. Dinglassi nas simple. the western "P. terme"; the plant sailing males that standarth, in The Bot. King and But. Cal. excluding, is course, the varieties, ishierally ear, microshimum.

aug 30, 85. L'arctulum d'han aluanjo hun all & distinguish readity, and could mun han discribed that as ylabron !! My Claim is simply, that then is no I terme they Entirum the Mississippi Valle. and the San fic Becan ; in the typical wisten I term is 'et. Stinglazii. Opn ville 11 in my firstraining perger a description y a new-torre relative of these plants - P. Anothine, anich yours in N. E. Cal. I can not - say whither a spraining must in the secul- parel 5 han one; for I houses a half dozen al- Erest. Upms ling Livery Edw. L. Buern

California Academy of Sciences.

Post Office Box Ho. 2247.

My Dear Dr. Gray: - Ban Francisco, Ang 31. 1885
Monday morning cimes, and 1885 my Studies II. han not got out their covers; therefor will not get mailed until & monow, but-I can send herewith the last pages. I undose a branchlet of the I. asplemisohns. I can hear nothing from the man who collected it. The two or three branchlets and Imm stript y bark um brought we by 4 stranger, and he gan me the name of Mr. B. Hazerd of I Barbara, as having might them June S. Eng. I wrote to him, but seemingly in vain. I return the mittels of Krynitykia holptera, which I am very thankful & you for having allund un to one. Jun "12. Pattersonii" June Oregon I had plusty of before. What - I nus disiring nus literal 11. Pattersoni. I shall hope to get it from Pathrown. Possibly he may have obtained mon of It this year. I han made a sad mistake in saying that-Mr. Watsvis Costrictium jacunosum is a Soendokrynitzkia; at last. I can now find

no such sear as I sumed to have before um uhm d'urrte. His a clean Enkryniligkia, and I must han the humiliation. Yours very sincerely Edu. L. Greene.

Berkeley, Sept. 10. 1885. My Dear Dr. Gray:- Your note of Sept. 3t is here, wherein you anggest. That I supply in Erratu the lack of the little word" Gray as the end of the name Lyonothummus Horibundus. When you have Compared my more comments on species, we note with author, you will find I have, in them, habitually omitted names of authors. I mean, in the paper now nearly out. With what purpose I han done so I must tell you; for it is yourself who heart, Domenhin, criticized what I think you called a custom y pedantically informating author's names "always" to the specific name, a criticion which, as

I read it, struck me us mell deserved. It has her with a view & Josephing & your own published oraggistion that - in hore parts of my uniting named, I have witheld authors reames us needless. I me that, in notes under Exchologia, and in my in two other places, author's have, contrary to my purpose, and through inadvertince, got into the tays where I did not mean to Mun them. As for filia hetendira, I have charly wough pointed and the one striking prouling y the specus, numely, the declined clamens. The open through of the corolla lits the felaments fall to the lover side, and their authorizons ends an turnel up, just as in Polemenium. That is enough, for purper who have

seen loth gowing and bloming, I trust. I am glad Gilia is & h washanled. We have a marginficing stock of Malerias on hand, gathered with a view & serision, justho us diel in regard & "Eritrichium" That was. Buy-I han not dand think y uttackeing gilia, Mrs. Purmy did, but quit before the got-Yours un truly E. L. Greens.

Berkeley, Sept- 15; 85 My Dear Dr. Gray:- I will go across to the Academy before night, is I can and see what I can send you in the line of Thacelia carrelea. I fear Firsty's plant will not hit; and I think there is at hust and his to come out as new. It is what I have taken for true I cremilata which has Jumple corolla and "magger mell. S. candia is Jachan, Kun skunky odon, hus, as I numerthe it, orner (very small) light the flowers. I sent it to you from the Silver City hills. You called It I. cremilata, befor I published it. I hope some y it is leftin your historium, 21 is the

only P. crumlata" which yours ut, on man biler City, ig muchan rightly. Jam my glad to see Vanguelinia conjulosa! I had only sun V. Jussey'. I can atil nothing yet, but a greater number of carpels, mun convoled and compressed, there in Lyon thomas. Rife suds of the futter I did not find. As for the leaves, I faith in Annold ? World he han credited the tru with. haves succlines geprotete withouthaving our there so? I shall be glad of your gums will sustain itself. But I show rust be surprised in the rugs - new species presents no with them in Jour of thon carpels, and leaves now opposite, non alternate. I hear heard from Mr. Barday

Hagard. At promises to from Jones, better apreciones. Those I had were appeared, and reach broken.

I hope I ame a showing of the stipules, (small appairs, yetand own decidences). If I did
not there is another twing
I can send.

Yours as were

E. L. Grunn.

P.S. I did not get across the Bay: but him are placers and immation fruit of the germine thing. I found a duplicate young our in the university herbarium.

Berkeley, Och. 2, 1885', My Dear Dr. Gray; - I shall be forfeiling with you my charac.

- En of promptness, for the
last tin days han brought me three letters from you which I now first find time to reply As for any Eriodistym Johli, I submit, provisionally, and without remonstrance, to your sharp words, until I can look again at my specimens. If I am wrong I shall ful budly anough Now I do find, in the 4 rol. octavo synopsis of A. B. 14. The Varignelinia described as having its leaves varissime oppositis; so it has not, as you suggest,

om idea fint furt formand h sin J. D. Hoken. I judge from this mittel- which you and from &2. Coopers specimen of the solistorpium convolulaceum, that Mrs. Currous opecimens are of a plant ut in you do not have; particularly since you say that in his plant the corolla is augulate. I will send yn a fragment of Mrs. Currain spreimen when I get across the Bay again.
My error him, I think, will be and that y grange a plant of did not know, to be identical with the un I had in hand. a geographical infiniel. Now I am glad you take une of on the matter of specific names. I han not read the discussions by Bentham and of D. Candelle. They are probably inacera it. & money may.

I han simply Jellourd whatrights y priority. It the Lucrypta affair still h Ersed for illustration, and let me order tur questions. Shael Nortall be allowed to name an Enorypla foliosa when the plant already heers the many Ellisia chrysanthemsfolia? If you say yes! then I see tour un end, a complete giving only the right of privily in all cures where oficion can van as to the proper gues. But will h said Nuttall was unaman of the idulity of his Jelend - with Benthams"? or that She knew nothing of the prior specific name? To aclow this to ha reason is plainly

to place ignorance above pen, is it mot ! Can beine allow this? Here is my dilemma. A: Gren men who teach no how we can escape both horns of 1-? I ask for information. Juns as eur E. L. Green.

California Academy of Sciences.

Post Office Box Ao. 2247.

My Dear Dr. Gray: - San Francisco, Oct ?. 1885. mone Knymtykia material, all y which is value, especially the via spraner of R. Intahensis. your notes contesting my spices are also ven acceptable. I am glad to have them in this shape rather than in point; for you saily misunderstand one in own things, path mea culpa" perhaps, and partly not so: for example: Whatneed of citing er carefully specimen after specimen of K. cycloplin as "municate on back when I have never asserted anything & the contrary? I have never seen any that - un not so; nor said that I had! So please mark that I speak of the untral face, namely the spaces between the energy and the scar. That is munculate in K. plerocarya, and not no me the other. It may not ha matter of greatsignificance, after all; but I thought - 1- with mentioning newstheles. In shape and color of the wings themselves are very constant, and suffice, for me.

From my printed note on 12. circumsaissa proposed "K. condensata" Perhaps I did not make it clar. However, that is what I mean. and the 12. dichotoma is I hope, a wholly new offine. I do not think I sent you any of it last year. ett- all events, I now lend you the only good specimen extant. In this you will see the dichotomy. The liones are not, indeed, phonli except-below. I do not, housven, see how we can and accepting this as an excellent- ofnices. I was sorry at the time, to fram only the from lettle plant to give you. Get and that - shows the end growth, different Julescence, large. calge + nutlets (smoth) de.

R. municulata. In respect to this plant-I fear I have gone wrong. All they I have taken for it. I now think must be your 19. andique. They I do not see how that plant- of watern Nuada 11. denticulata Com he the Myssolis surresta". Indeed it - con not be, and get, no such mutlets are found by un in any Californian flows. Must-ythe Sierra. I han her for years from or fin, gathering in formall possible sources, these plants, but nothing in the municulater "cin with author delloideo- vatis obtasis, or wen obtrasiusantis han I seen, som That - eas tinky species, for which I have ful firth now The orane "denticulate" Will you faces me utte a calyx er tuo of your "municulate" from any where west of the mountains? The specimens which had placed under that name, and which had nekoned on as bring that, I send you promitte a proposentation y. Jon will say M' is ambigue I han no doubt. I would also wish if the Myosoti, municula ha hur ourch identified? I wonder at your placing, as the type of your municulater that eastern slope plant, when the plant- which how the name muncula, and which A. DC, changed to the domination from musthan been from means the coast. If arm of the dawn thing is in your fromming Jum west of the mountains, all right. the difficulty is settled; but, I might to have seen it too: I have taken pains enough to procure compthing that the western stoke and produces in that - line. Mr. framin Iland which should have the name it in inculation.

and that It. denticulate should stund as the name y a good spices which weither Hook & Am: nor A. & C. knew anything y. As for the Plagiolothings affinity which you do not on, I only compand its muthets with these of I. Lingii which I am not much in Jann & having in Hagiobothy at all: altho since you han placed it then, I shall portally follow you, in the future, as at prescup-I submit. Diplaces. In all the capsule, atlast, separates rut two vulis, but not in any un & largiflons in early maturity. In all the two values stand there, held to gether at poth and, and spreading apart above only. It will som h time & guther and send you ofricinens of Municianthe which show whatits capsule is like uhm diad ripe; how it remains also, after flage and cally and all han dreaged and fallin away; justas in Deplaces, 25 for as texture and permanency gr. I have not answered grite all your . Inggestions, hit- I have unther whereally to long an episth. Gun un sincent, och tell.

to la oursered, une accumulatione un aung Three, while I are so occupied with me services sili and parreheal work together, that I sum grile unlikely & give gue array more "Studies" & criticique, for a long time & once. And here left me tell you that I am un dieply mortified by one of your much, in the time four. My genera I can calmely underse to have you dischepence; anost of them I have proposed in free effectation y all that, (I arrear who those of Nachalli whom ne loraling I have called for for hot it does heart me to see that if you wire actually succe at my them that were is to be Atheysomen. I hold that to be on a fran enth. Bellin for gennineners. You do you self injustice, asit sums & me, in chroning that for your most emercianed disapproval, and their telling the rooted, in effect, this: that you have to deal with a men who makes genera on the presence or observer Janing & the fool : A "wingless Thysomoconfing. Because whoever take, the troubti to read in perge confully mill and that, makers I have lied I have been in justition of simething

very unlike Estrap a lingles Hysac ocarfus "i wied be. Inch a one might evener you from the flame of necessification, by thereking you had not looked to see frost what I was hat you were condenning. I, for my part, to not suffere you have ever noticed wheel-I wrote, or ever looked to one how very different are the pods of Thysaureur purs and Attigramme. I am guessing that you hen read the name Athysomers and thought it told my story, and described my germs. I did allow the absence of The wing & name very geners, but not to opening it. Now, my dear griend, do not believe un & he in an ill human, because d'urite so. Janz not. for han said things, and you han done me neme those quetice in many So let am betake myself & never we ful things then crying at my hark, which will not last long. By me mean, de d'include un my terrecio ne sphiles my tell family in den Drey plants of Breutt or gaing lody else. Let the A ned efectivens go, if you will, for

6-012085 S. (aligorneum, but he who drees then will know the higherence; one all any in Three days, the other hardly in There weeks! Out I have told all this in print. My plant. toes ned grow ut tel faints Duy were ruch his ut Sun Drego. Malacothering allissing there is het are sprance of and these too lig & he believed in , until you is . It has us mative fruit. A most excellent species 222 early discribed, so unlike the sest in habit, more S. Brownia . Hu man took lut are efection. my well marked by it, smoth methets, and diciduan, mes, y planeaux part- proppers. Many le when I go across I can find a few where, for Dieracium Brandigei. One plant unty. Ac sent for mon; but - his anone returned a lot of similaring vin defferent. also new to us, but cloudy Hi as guling With to description.

Nunacladus ormatann, That has the hair, in the steen. I am under the importance

that I thought the reeds, in the . Currons, immature, for now tell our they in in my, 3 - 4 time, as large as in the other. And let me my that no met plant as -p figured in Bot. My Bound, for N. vamoussing, is fremento me. No such stancery! No Auch seeds! My time is och for & day. Other things Duice look into for you when I go to Character E. L. Greene.

Post Office Box No. 2247.

San Francisco, Vel. 24 1885 Dear Dr. fruj
than back from you my ". dichestorna; and you send with it, willets of in noulata, which I was in such concern a bout, wordering that receiving all our stack of l'orguerlyteras there was nest a specimen jet. Now an hour lots of it , collected, as it seems by Hereland, less Curran + Migself. When do you Think I had fruit - 1all? Into K. Jonesii. In the nappy days my fruith in the infallibility of his a three of ming rered serviors, you had tanght in that - the one with long- prombed, righ mithts (Rice-beging) nas municulate. Hence meng error. And a min ti. que n'artala + l. Jonesii to day, secure to un to lately refunded. I marvel still at your objecting to Reductionlata. I wonder you not see a wide difference in the character the um noulation itself. I am in receipt y your justies in unew clature, all julich I have read long ugo: but the references you knilly give I will hard who and study. Green as always, I'm I seem.

Beskeley . Vov. 17. 885 Dear Dr. Gray. acknowledge the arrival of a spreimen from you. of Leunoa coerula; a my acceptable accession to the Nert. Cal. Acad. for un had none. As regards the copy of Bot. Sulph. I am not able to diciphen the handwriting y chr. Oliver; but-I infer that you have the copy on your hands, or at least that it is on its every to you. We Californians, him nich on he we poor, do not make ado about the price of things, and but for one thing, I should be any glad for the news your letter brings. I had alread

authorized the librarian of the Bolish Museum & known and and me a copy which he told me he know y us available. lenless it was one and the same copy which the two men had in view I am likely to have two on my hands, But even thatdoes not sear me 20 confidentam I gling able to getone or other your public libraries to take the extra me, if there is to have of my hands. Send me gun lill as som as you know just what it is and both life the look come to me, at the Acad. Securce I. It. by express on registered enail. We are rainey, after the Inest of reasons, most copions rains, immising walth to the money makers and abundant - meds for the rest - y us. Yours us a (ways & of Green.

Birkeley, Nov. 28, 1885. Dear Dr. Gray. - I ge parcels from Mr. Ball may be sent to the Acad. S. Francisco, by express, or registered mail. I sushed they will each enigh enon than four pounds. If not, by mail is best; and in will return portage money. I am glad your birth-day prisent is à vuse - so appropriate. One among many unanswered proulsin your mon newl- letters it - recurst to me to take up, to day. for object to Dicoliana potumaston, but you do not duny my character for it, namely, the very shallow rounded, or even netwe corolla-lobes. In both I atternala and N. Biglow This are un sharply angular, or posited! I han no specimen for you, It was but post coming into flower and I got hy- tind in Room - may, one mily; has -I my spicies: that is cartain. E. I. Green.

Beskeley, Jan 5, 1886. Dear Dr. Gray. - Your letter with the etamps has come. I blame se one but myself about the cost ; and that was nothing much more than I might have uppected, save that - the log was much of too heavy, perfectly green and with June boards; to that the whole weight - was Jefty prints, If was only the pitiable scraps instead y desirable spranners which much our Jul the Cost. I discovered, accidentally, some entro since, that my impressing that you were following B. + H. in that matter of author of genera, had her very morect. so your unds to me only

intensify the feling of humiliation which I had already him areforing on account y may too hastily appended note. But I deserve it all. I have a Scalit- y Thursing y you (and 20 hair others) as the authority they is speaking always, in both volumes of the Bot., Cal, I Rus this is emmassantial, therefor I accuse myself, for having read the "Myosums , Lim" to your credit (or debit). Test assured that this blunden will teach me to he mon campul what I say. I do not, honor, blien anything will teach and to revenue a certain British trait which express itself so atmight in the Gomen Philutenum; or to be tolerand of it. It was bad enough for the

Ja. 5,86 brilliant, aprightly und highly gifted burde to go on so necklersh ignoring, as he often did (whether he meant 1 - or not) his predicessors and contemporaries, some of whom appear to have hun, in some fronts, his letters. but I ful confident these men, in order to our thursdores trully, have done more deliberate and emporderable injustice to great names, Than Lunary ever meany Surely, my judgment - andd he that, ante Tinnaan genance names ought all to he restored to their proper authors. But, althor I know nothing of all y whop many have been thought in said refun this point. I can magine difficulties almost insummatable in the way of

such a commenture. I shall hope you will tolerate my Bumbienia. I am unable to comprehend how you could allow in Rommenly a plant whose fruit you admit (if I mis. . take not) to he with an where but an extricle. I write this without having your original account y the plant mur me. Wishing you houlth and prace for the New Year, I am As Eur Jus 2. L. Green.

Berkeley. Jan. 22. 1886. Dear Dr. Gray.-I han never som an Californian specimen y Draba cruscifolia. Can you furnish me with one, wen a emall me? Im han collected it young, above yosemile, according to Bot. Cal. I should also rejoice to have donne fragment y your D. enny carpa which also has bun obtained by a single collector only, namely Breurn. Thank for Bet. Neerlogy for 1681', just received. Gars veny truly Edw. L. Greene. J. S. Draba Douglasii is another desideratum!

Berkeley, Feb. 1. 1886. My Dear Dr. Gray. - Gus rather long letters I yours are before me, on the subject- y Mundienia. In the first - y there you blame me for not having oubmitted me paper to you before fireting, adding, thatthe genus "is not likely & to approved. In the second you counsel for the suppression of the page that contains it. I am louth to write buck words that - may amed empleasant; but it may perhaps som us both considerably timsome discussion of I hun, ouce for all, and very frankly, Justdam some gung rasons for doing as I do. Up to a year and a half ago I had almost always submitted may little affairs botamical & you, with an engreationing faith that you and do what was right, whether you approved, in disapproved. When, up longth, I ans ready & undertake a lette piece y work Which I thought - would really count for

Smething, I can fidingly informed you I my purpose. You replied: It me see your new material" * It are here a fair understanding as regards genera, there go whead ! I wont on , but you my specimens, indicating the lineits, according to my rection, y Plagesbothery, when which my mind was already made who; get not untimine my then muselled views of other allied genera. Jun wen long selent. Then come this rather surprising nemark form you. heasund as I am responsible for the putting y Plagiobothing and Prysuty kia into Eritrichium, I maple to take them out. This was followed rufe not long after by the primine of Jeroof in a findays. I am doing you, now a days, the condit- of supposing that you have forgotten just - how you treated me. I take it you have distroyed my letters and have forgotten what - yours to me contain: else you would not engaged to me again, thou I lang my little projects before me: for your in not likely to attribute to me much meekness as to runain unaffected by so grows a notation

of the very fundamentals y scientific justice and good faith. No; I believe just have fregotten. But, no matter about that. My own interests will fished my doing again what you wish. I could, I very well them, profit-greatly by your advice. It is inevitable that - I shall make some mistakes which I could arout if I had the happiness of a free, compiding correspondence with you who, in point of wide experience and profound scholarship, are without a rival, a I judge, among hiving lotanists.

Now, as last, I have said that which I have long hefeed I should seem feel called on to say. But I think it was last.

As regards the suppression of the prayer afrom
Stundienia, I may no well continue, and
manciale some things which you have nottaken for granted. I do not look for
your approval of any thing shaterer
which I fried. He who attempts, as I are
now beginning, to set forth now and them, a
view at varionce from yours, is vide

If, if he have not - faith and patience, to suffer and to wait. I suppose that the final judges between you and one on such questions as those of Lunamus, Diplaces, / Sumbinia etc an to h men y some futur gunnature; men who shall know Pacific American Botancy as Timans and Fries Brew the Alore of Denndinenia, and as the Browns, Hookers and Buthams, that y the Fretish Islands. I am well amon that your affirmal until be with enoughing if I had no Juith in myself, and were working to ease construdents. I percein it is in your from to exalt- a men, in the estimation of the scientific Julic, to my high rank as a lotarist-, and that you can as easily religate him to the limbo of conceited "cranks". You appear to have dicided hur you will dispose of me. You your a sumple in Sellimenis Juneel 2nd long ago. You hut thet mon is & follow.

I am really army, in more accounts

them are - sorry for the cake of the

time that will help to your, and

army for what I must bend my

lack to occin. But my work

will go on all the same; and, as I said

lifer, the future will have to judge

lettucer us when we are at variance.

I have not time, after all this, & answer

more particularly, and practically, some y

I have not time, after all this, & answer more particularly, and princtically, some of Jun greations. You ask, for ex, if I have fruit ripe, y kumberia. Is it heaves you do not porses it, and wish to have some? I can not tell. Ripe. Joint I can said you if you med it, wo all events.

Gras king Fruly Edin L. Gran.

Dear Mr. Freene

four letter of tike I with Dame This

four letter of tike I with Dame This morning, and requires a formfet refly - 2 cannot make it very detailed, but I mean to make it explicit You have brought forth four frierance, which of man Panted, Chould change our relations of Correspondence, and which you should have seen to before today -I knew you did not like my setting at more anew on Borraginacea when I did - But I did not know that you took me to have committed a frave violation of the very Aundamentals of scientific justice and food faith." I think Im have frithen the facts. The essential fact is that my Change of view about the Jenera in guletion, and my deters minution of my duty to act afron it, cuitedated Jour Come munication of a execuneur of the typical Ragiobothry, which up to then I had never seen. Then Jour efeccineur Came, I foromptly informed for that I had it already from Howell. I am confident that my letter at that time stated that as it required a very large overhauling of very execual more of mue - mostly in reshafeing, - as I treew I had or could have all the means a appliances for the revision, and

Im had not, and as I has not put upon the track by you - the you came in soon after, it was I think natural that I should apprize for that as I had put Clasiobothings note Entruchum myself I foroposed to take it out - of after this reclamation, In think I have violated food faith or done for monf, you could no longer mish - nor I allow - our correspondence to be any thing more that that of etrict botanical interchange, If Im are Convinced that In do me a frow mone, you mile cay to, and will also disabuse Parnis mind, if, as I have some reason to Atunk, I'm have from Jon supressions to him -In my bast letters I ventured ma frank, friendly hay, to yer some botanical advice, from the adoption of which I could not possibly be at all advantaged - which any me would be was dictated purely in reference to four non Scientific reputation. I thought for would take it in that Spirit, think, on reflection now that there is of course an end of any free criticism and adorces, that you mile feel that I have done Jon frendly service. I feel that I have never done Jon any other.

As to my published criticismis - of course I had being that I did not think In neve quite right nor mie. At least me of my correspondents mate me speaking clrongly

of the kind almost deferential may in which I expressed my dessent I know that I took pains to avoid every harch turn of phrase

I mean to treat for with complete consideration. I chall save valuable time of four temper, by avriding for the future all "tiresomes discussions." I am come vinced that I phould have done or long ago, In wishing that 'm had informed me in advances of publication of your Kumleinia, I thought I complet have saved you from what for sould have seen - on a curvey of the ferms - is ill-judged - But who should you not have your own way unmolested?

I remain till I hear from Jon again,

Jan freid, Rea Fray - Beskeley, California Jeb. 3, 1886. My Dear Dr. Gray. - I did not gesterday, take time us I thought - I should, to go through the Rammenli again, in search y bladden pericarps. Surch, I han our us New Zealand species: nor even R. Andersonii. I have ory likely ernd in the direction you indicate. But you too are, on the other hand rather given to assuming that one out this many how new means of knowing anything at all alongforeign botany. I remember hus, when I told you once that I had found our N. Am. plant quile unkike Trojimon Chilense, you came lack afen in with this work presumptions question, How can you tell without recine South American specimens?" han reason to suspect that refun Chilian botany, I am our letter furnished them yn are with specimens. Of Old World Rammenli I han also the means of knowing smething, mough to perceive

that there is rown for much doubt whenh the limits of the genus. I should certainly nant- Ceratocephalus and um Fréaria to stand, if I had a vote. But I recken always That-Enspean belong is list of in the hands of himpians. I might ulso held that I am mon inclined & Nuttally view their that of Allantic and European Votames concerning Cynton hyperca, altho the halit, a point of which I incline to make much, (as think every mon who is not an astificial aysternatist will do,) is clearly that y Rammentus. Now us regards stumbering, I should love faith. in it surch, if I found the pericark of R. Andersonin to be then and brownissa, rather than green and not translucent; get even in that case it would want the fecculiar shape which helps to gin charmely to the carpel of Immlience, for that is not bladdery in the seem of soming to be blown up. It ought not to he called utrice lan in any such use of the term. I am justly consumable, housen, in letting my fun any that in "all? Placementi the sud is wengehin in contactwith the pericash. That is not quite true, I gues, in the or. Lemmin and or. paciolis.

I fail to understand what - or. Cornelation a could beach regarding themsilienia, allter its curpel is a little absorbeth, if not in that direction.

And finally, let use one that my eyes are as wide open to catch general mandlances, and any mind so habitualist to thinking of there are fully general as holding at the true relations of thing, that I mark getting at the true relations of things, that I mark cease to regard as other them an artificialist the mount who puts aide by side under a sectional name B. hegatically and R. apripolius.

Now I am not without a fear that such plainess of afreight may offered. You are well accustomed to be prairied; and I hampener, or wish men, to heaver a discordant wice, over my intention of homing a scoret armogenee. But I am ging to request of you that you try to think your is a man of two and forty years, a worshipper of plants and tree, from my balghood, and one whose vene whim for any balghood, and the street of him from much to are forth any paper him from much ming to out forth any spinions of him from muching

I make own mistakes - mistakes thus - ?

our greatly whomed of; and you, in telling and

y them, the 'pu do is harshly, and with the

time of a master to a small school-by, will be

bother to the their if you praised one where ?

there is you praised one where ?

I han sent the money & Mr. Warley, but I hear no mon about the book. However, the Smithsoman profile an trustworthy. It must come some time. I shall be interested in seeing what you may hen dun with all the Myoruni. I histalid are. time between reducing all san A. cupulatus & Jonns y. M. minimus, and dving what I did. We here good M. apetalus, Gay, but its friend nas too like N. Ann. M. wristates & denous, in my estimation varietal distinction. Now I will conclude with a fair promise of unting you no mon long letters for a while. yours as ever

E. L. Greene.

Berkeley, Feb. 10. 1886. Dear Dr. Gray. - I had got almost ready for the Junter a few new polypetalea, in which are three or four Rammenti; but-I shall doubless mit. mer a comple y weeks, and hear is you rally will have this which you ask for . Is h R. ophioglossifolius. My specimes of that spices lack who prist; but I judge this Cal. plant to be distinct or account of its very few stammers on long and flattened or dilated plannerts, as hell as clonquetue heads. Doubters you have from Bolander what I han Called R. Bolandin in my Mt. His not like A. Flamanula & which zur seem to han referred it (you or som om else) het closely resembles R. Lingue and has its ample haves marginally adorned with blush, smeethat revolute Callosities. Its akure hus a slunder straight book also, most mulike they of R. Lingua, It is Jonn "Ing Valley Mendoeino Co. Of my R. adscending there is, I outpor but me specimen externs.

I send a few ripe chemes. It's teability is the higher Mt. north y Mohan Direct It is polypetalus like of Celifornian, len of different - which and different - Juit -. The puntaputalus B. California, " is a char spices, and, in M.S. I have given it, nite historia, the name of carry, Bug. all the while wondering if Buthow and so have misapplied the name came. I have also remarked that the "Ralismoefolias" of the Ol. Hartw. must- h P. Lemmoreil!) for no other of the your is found was y the summit of the Siere Nada. Now I will evail for engactions from you; Dince you are neathy young campilly our the same ground, and that noth horlanding advortages langely in your fair, we doubt-I am going out this muring to kingel Island, in my first tolonique excursion for this new year. The min, have lun abundant, and in hen herd no Joseff this winter, so that in are sun y an excelled orane for gathering in plant brundely and material. The Bull. Cal. Head 4. with index & while volume your & you to -day. Juss as lun D. L. Green.

Berkeley, Mb. 27, 1886. Dear Dr. Gray. - The Syn. H. Supplement. has been need; also, now, you citation, of Lyn H. on Rammonlus. Since you appear to have been able to men our Calif. and the Texam "trackeys permis both into pusillus, I shall withdraw are I had contien concerning 1. Jon say you can here for me som, a Jerint of what you have done with Then things. Of course I divine it; he there is no theed of any haste. It will be sure to come out - sufficiently in advance of my Aandbook, which I must had any idea of bring able 5 compile in a wenter, or an within me year. Yours Kry Truly Edw. L. Green.

Post Office Box Ho. 2247.

San Francisco, April 13 1886. Dear Dr. Gray. - Ges: my Rammenlus Ludvici. - ames is the very same quhich I sentyou akenes named. R. adscendins. (I had Jorgother they- there was an Q. adscending already) The akenes sent - you were some that - lay loose in the puper, therefore the way largest and maturest. The petals are of the same munder as in R. Californians, i.e. 10-15. I wait to see what you will do with our 5- petaled "P. Californieus" which certainle is entirely district from the money-petaled one; and I am trusting it will from to be identical with IR occidentalis. Nutt. Grass ten Fruh Cdu L. Greene.

Post Office Box No. 2247.

San Francisco, Apr. 26. 1886. Dear Dr. Gray. material in here to open in delphimm which I think can serve you. Both Characters an use so marked as me could wish. for will see, however, what I think no on has yet musked that - we have one opicies whose follicles an divingent is in the eastern & tricom. I have included a comple of I, Mex, plants which I may or may not have sent of Carubridge years ago, about - which I were somewhat - in This is an uncommen year for Micrown's! coming oight - afour the hells of all the work that - has bun done therein y late years. The abindance is susprising and I am studying them and intilligently them I could never done before, and Dann finding out some of your and my mostukes. A great disideralum

nor is, and an akene of original

ch Bigelvii. Com you said me our, from

Post Office Box No. 2247.

San Francisco,_______188

Bigelow's Corte Madera specimen? John the Jigure in Puc R. Rep. 1- sevula ha a spices & go in with the somp with bout- shaped pulse; yet, all which I had her taught - & call M. Bigelovii hus Fla. -

Juns Von Fruly Edn. L. Green,

IS. I am plan Mr. E. L. G. +c: not- Bev." having some months since taken the slace, which I main to kup, y lay member y the Bruen Catholic communion.

E. L. J.

Post Office Box Ao. 2247.

San Francisco, June 2 1886, Dear An. Gray. - In response to your request, I me Mecouella dential. send you my very last duplicate of the Accordla durticulata. None of them were in fruit; and, as you desire chiefly Is see the flower you will be content with this. Mrs. Curran turns over to me your card & her concerning Flatystomon. I have studied the species with beligence, often thinking there must be more than one, But I can not find character. The flowers close at night and ofun again; but I can not son for how many succession days. It could provide your specimens, if you wan in need, showing all the fitals finally persisting about the fruit is nearly rife! In other cases they sum to h quite decideurs; own, hours, an they cadrers. Do you possess opecimens with the pedancles modding in fruit? I believe they in always so in the south parts y the state. I han receive your paper on Russenculus +c. Who the letter which accompanied it. its regards titles, you shall end me what you please. My students are notalland to call un Professor, because I am not so

entitled; although of course I should like I te.

And orders" you thought - were held "indelible"; and so I had also her instructed. I doubted, a half your since, whether I had eur neeing "dry Orders". My newsons for doubting that, were rather general than particular. I have never yet given a half hours study of the question of Anglican Erders. But all doubt has given place to a Juling of cirtainty. I know one thing, namely, that - the bacraments, in the Roman Church, an accompanied by interior effects which I not only knew nothing y of so an Auglien, but which were a surprise to see from the my first. So while my remunciation of Auglican priesthood was made because the Boneau Church undel not purmit on to exercise it; I am now interiorly consinced, as I never supposed it possible to he convinced, that priesthood I never got han attained &. And Hous han I responded to your pleasure banter on that dogma. But, to go back to our botany: can you favor me with something in the way of a specimen to show what the real delphinium simplex is? I may also add,

that & soreofhyllum is surely an excellent species; and if it must, from your historium material, he confounded with some other, it should he & carelinale which it is much less unlike than it is unlike I much less unlike than it is unlike & much less unlike than it is unlike

Juns hy Frey E. L. Greene.

Ber selen, Jame Gear Dr. Bray, (krasmuch as then is but one specimen extant, it beginner. Conjulose, I think you night to see it entire. It will he north all the trulle; so I head it to you. I go our to the itead. in the measuring, and I shall negester " & ym; soit may nach ym a day late, than this. Ass. C. has not a greet eye and is an aft to ming in form , underes, y mile among, a single shearmen. what may he a strugh characterized new spices. Of the Eschsetiollyia glyplostienna which she got at the server time and prince as the Argenne thre were two specimens, and the second, an inferior nee, of an our 2 sent & Mr. Walson; I that you will not need & send hither for new, 4,20. of on a ci chusting, and the Million A. non My. R. from oftained anose them one or the epicinens each, and mentines lady could tell, when I was ready, to discribe it, where one obtained it.

forem to ago of mediscound it and am well supplied; to I sund you some git & kup. In men also retain a hod y the Argenione; has do not spoil the coryent. It may h years before may me will find, and allect the plant. Ymen Sincorch Edw. L. Jneen,

Post Office Box Ho. 2247.

San Francisco, June 18 1886. Dear Dr. Gray .-On opening the lundle of Argemon I find there is a second, but poor specimen of the Mohan plant, and that I said you entire; and you are to keep it. It shows leaves and pods both, altho not the slockingh conjulou sufforseence. The remaining opecimen, long- of flower) spreads out- at top, into a slightly Convey, cymon conjunt of twenty seven foods, and the store is perfectly undivided wh In the new fastheria you will find no fruitcharacter, atho the involvere is different : but it is, in the field, a striking species. I found it just coming noto flower when L. glabrata, (which is associated with 1-) rus going out: and at the time of my collicling the plesset. L. glabruter was died und grove. The Good haves an always ascending (Georgantally sprading in the other) and an son such wise counter as to form a conspicuous ofun cup. Juss E. L. Green.

San Francisco, bal. June 27 1886 Dear Dr. Gray. Lust-Monday " went down & Grystal

A mater supply to their city. I had never frem there; and I guess no collector was ens then at this him y year, for I June a mostremarkable thiste which is evidently new. Jendon uns a head, reserving a good specimen for the rent! parel that may go to you. This deservery anakens in me a strong dixire & han simething more than a description y which & identify C. Andrewsie in case that rane and observe plant- eur comes t light again. Can you send me at last a few deales er bracks ig der involuere git. My new are is confined to the springy ground otherine occupied by Mineules, June, & Spiloting On the dry story place, alon the spring, grows plenty of C. griercelonie. This new one is also a dirastish filent, with all its heads modding; colory corollar

distignitie. The strange, soliaccons, non, wed backs

hot "he ist first to hispard it y bring some

foreigner; yet nich it can ust h. H. many-h milt local, I think. o une to le off in a reak for the S. Bertana Islands: I thall come lack sich is only get fivel material of Lyonothamin, asplemifolius and Eriogonum a Aoresan, which I have already published from sarafes brownightin by unbolamical visilors. An you with coming west mywhen their year! The bud cough you complain your fastshould indicate a sitzeaf to the abolisce air y sur of my decountain districts when you have you can rusk also in botany to advourtage. I hope at well events, the successer weather may cun gun.
Ymns Ing Grube
E. L. Green. P.S. I shall be absent for about there werks.

The island is more like friedalupe the like California aller it. only 25' miles of above; but its regelation is mon abundant and varied. I have a list of 215 spreis y planerogum + fires, and hun explored only about - a tenth part of the area. The tendency to arbonacence, in plants commuly mere should, or tribo, is the most striking practicarily. Ir. Telvejis Teptosym grgantia is a fair illustration: all tall as a man, with trunk 3 or 4 mehrs thick and branches 100 2 inches, and ample conjulour Junieles produced as- the ends y the branches: and along with it a Hundren y eynally surprising proportions; leafy stimes and branches 1-2 Jul high, and summerors willow, short - feduraled tryrai.

Santa Barbara July 23, 1886. Dear Dr. Gray. the letters which came from you not-long before I left Beskely you affinised the thought - that my Erchscholling Aratina might from to be the true E. hypicoides. I am propond to see that - unesable name eventually displace some one out of several which I have much: but I was more inclined to think 2: my E. shoulipetala andle from & h the synonym. Then again anses, in my mind, the greating of the San Dreys surrel spicies which is ourly distinct-Jonn E. Californica. I han referred 1 to my & peninsularis

but I doubt if I was right.

It does not at all well match Orcutts' of specimens collected my species in he the permissile: and the 8. siego plant is remal, fruiting in Murch & dyring April. To return & E. Austina: it does not seem to me That I hyprevides can be that for any author would mention The fubracine : and get, I have put in with my pulsay. type certain amale spramers which an glabours, yetotherwise apparently the some. I make mention y these things to me the originals of the Hookerian and Benthamian species, and I fear they may nach you be examined, and returned. Is her before I am lack home and

meady to send you more material. I can not, this morning, say whether I have on how not gut published as a spreses my ?. elegans our ramore: but it is my distinct, and one of the hat marked of all. I have mon of it and from certain island rocks of Santo Cruz. H- is strictly maritime; for us-Gradulupe I france is only near the water. I have spent there weeks on S. my, and expect - & return to - morno, for another ten days, to another part- y the island. It is very late for botanizing them, get to and interesting, notwithstanding thus all the spring rigilation in dead had give.

graly 22, 1882 The two Ceanothe observe an peculiar and me of them a true of your houty, the ample foling while kneath, height 20-30 feel- and atrick tre like: no histoiners but a clean, must truck and well rounded head, the me nally noble species y to gums. Luo Erirgiums appear; both shouth and peculiar. Then an fin oaks, one y then men; one him het no other conferons tre or shoul whatever! The Castillia & the Horackia & stry - ahours 3 - 6 feet high, and so on through my listof us hast - Jifteen new apreces y which genel Operane, and I had as this lute times y man.

Since I began with Eachscholtria let me end with dendrome con. I always blieved in D. Harfordi Tell, sur from the from fragments first collected. You could not ask for a mon charly defined species. It is a tree, and, & with its drosping boughs, wighted down by the large flishy glanews lions. aro one would think y if us a var og rigideum. Yet, is reg solo identity, I may h urme; for if, as my memory sems & tell, Harfords I land was from Souta Olosa Island, and a low struggling hish, my Santa Cong tree may ha third spices. Its ouds han on side evered by a white and or strophiole which then is little on no appearance y in s. rigidum. I musting this as that

in your MS. you share how work. For more shall much then and.

I shall read your sprainers as some as smetically.

Yours my truly
Edw. L. Greene.

. Santa Barbara Aug. 1.1886. Dear Dr. Pray. chirography is growing as bad as yours? I certainly meant- to be read Cricis Andrewsii, and are there for disappointed by your way nice involvese of, and July comments upon C. Andersonii which I have, for some years, hun familiar with. This in hasto, as I am starting again for S. Cruz. I hope to him Berkeley again by the middle of the mouth. Churs Binerch

mainly Compositor; and it wish I could stay longer; but - with and y another mak I send - go, so as to obtain at heast- a fair beginning at the critical study of my exhibition, how the college year opens.

Yours key Josh

Peles. L. Josen.

Island of Santa Gruz Ang. 8. 1886.

Dear Dr. Gran. - I am in no little trouble regarding Diplaces and am about to ask you for help. I have on this island a very chan new spices; acres and acres of it. It has quite ample, rhomboid and cremate, smooth hours and a very slender and amous red corolla with inendilly small and hardly at all spreading livel. If is not this new our that is everying me, I can not make a synonym in. hullisting it

am in a bal state of and nearline the old apreces. and it is now now clar & me that I mind find out what Nuttall had for his De glutinosus. I suffer I have eved by my faith, and by my ignorance, in taking the I. F. Bong plant for the typical & g timosus. Certain I am that my Lower Cal. "D. anachmordins", is plentiful both on this island and at S. Barbara of which latter have Nuttall must han seen it, and Iwill as surely he the type of one or other of his opicies. Now what I will ask y you is this: that - you engage who will like & do such a bittle task for whatever morning it is wrote, to transcribe

and send in a collewhatens Nuttall did when Diplacus. This I ask taking it for granted that your library is not distitute y the Taylors Annals" in which I blier, Diflacer nos published: I suppose it attisty cam & hope for an offishing y luying, at this late dute, the magazine Can you intercede for me in the way I have argogested? I shall he willing to frang a reasonable, on ever purhaps unnasmall price for an accurate copy of this article; and I think it not improbable that you may have almost us your ellow, some studieswho may do me the sence The last week has been frutful

Berkeley, Sept. 16. 1886. Dear Mr. Walson .the S. Barbara Islands was prolonged for layered the time at first alloted, and I am just now returned. My Streplanthi even easy to get at and I have already land aside for you specimens of both. to morrow I must try to must at from the midsty my confused parals the cerchichetteas which Dr. your has asked for, put there in along with what-I am ourding you and then for the take of your Encifera the parcel shall go, without railing for many other Things which you are to hum - f. you disin them.

net me say in behalf of my Streptanthus Juramains thusyou must not expect to find the near character of the cary obvious, or were well perceptible in Iried aprecimens. This wrote much, for a conception grown, is difficult to understand without seeing the fresh flowers. Rigarding Cardamine Cumenta Urs. Currace has replied. There are In Specimens at all means matunty there there I sent to Cambridge at the Girst. your quene, about thely froding maglecture of Marins Jones ansomewhat perplexing to me. You say that - I say it is come -- mon in California. Jours in his discussion of to ments sup it is found of Som Francisco - Santa Cry, and he does not mutin di veenvence in

Arizona, whence, you say most of what you have enden that name comes. If gain. you ask Who has referred it to disymbrium? To which I must reply; notock that 9 know of. I musely meany to append it is a synogen. of I. lasisphyllum; for, from Jones description and hobitate it must be the same, and me y the common lane forms with pods not refleted. The printer has made Jerspeeps a misleading flunder in the atsocious way in which he has made a paragraph y d. nighthin, a so made my comments susciptible, fushaps, of king rud as if referring to Jones plant! Imagine that nam y mis ful in closely

as the last of the synonyms, Then her my remarks from The puring with & you will understand m. I has when the proofs could not reach me, x 20 this piece y awknumbers heard fixed hyund easy more rectification. If course, according to the Buthamian opinion to which you so unhesitatingly subscribe. c. neglictum, gones, is to hother now for the species protected Ins pland is identical with Lisymbrium reflymm. com as strongly in the side of The pasty who are insisting that The un first specific manne y a plant - is to he used in defrance of every other, some when it is already in use in the genus to which a spices is transferred. On this some

score I drop the it while while name for Phanicaulis while retaining the germes. But the way-think and do not see how pods or such different thape as those of Phanicaulis & Parnya can be admitted in the James years of concifered.

One request and I will ton.

-child.

I am sach afraid I shael

never see what your Thysaus.

carfus exetus is like unless

you said on at heart one samara

tryther with a penal training

y some past- y a receive.

John last- will show men the

pricise angle of divergence

of the pedicels. Of cause they

can not a literally exect.

I have a little from material

3 a new one from I. Cruz (+

2 hope I shall find it in

a few days) in which the

pedicel, an straight, but

discricate, not except.

Please four me in this

matty and believe me

Ting India Gross

Edw. L. Greene

They are a stand Ber seres, Le ch. 18, 886 Dear Dr. Fray. My first- little piece y work, after my landy return from those islands has here the making who of a little parcel y Gucifera which found Mr. Halson had asked for anany unks ago, and I have put in with them the disired Eschschothers, and one on two other things which fell under my eye while it was getting out the same. The Enjourothermus fruit is fairly mature and will gratify you by confirming fully the view you have taken of the affinities ----of the germs. It is a reastbrankipel true and once wishes the name had bun Tyonodendron. Alms- The Escholtzian I med

& nemark that the tre un. - nacual shamen, I tit pas, for states of E. Californica mesmuch as both are juniel. The one from Some Kignel will strike you, with it's while Intercine, on incorrelation, or whatever if may h, as way peculiar; but it numes fruly, on San Higher, into the roomed state, ling more commonly quili glabrus. Of the reminial one from S. Greg I han letter spranning Donumber, lut ? can not tell in what part of my heap of harcels to look, and of undid a half dozen in van search. This is really, when graine strongly and reathfully, a plant y different - aspect, some my other known state of & Californica; still I do not regard at a species.

The muteal, named Entermosa. (and you did out ituseer my question written I rad out it to you from guedalupe) is a most peculiar species in rabit. It is like a compact little true in shape, flat at top, with its little granish flowers and large straight-(!) hods from m ou level. Tel others of the genus (except " eligans) an look, struggling things, tranching from the root fas this new does) and the issurches all dicumbers - or procumbers-

I am un much obliged for the copy of Diplaces, I did not suppose it would be a short article which I might ask you & devote valuable time & transcribing. You are very trive.

I am told you have done up dodecathen after a new fashion, and I feel like them king you for having taken of my hunds a piece y work which I feared to mudestoke altho hornight Commend of the need of its tring done. Do let un see your paper when priviled. They say you admit fin spicies. I han hun certain y four; but and more. Yours us always E. L. Greene



Berkeley, Seft- 29 , 1886.

Deur Professor.

Jes; then is a hell accepted Jemes Harkmessia, of not a few years standing, in Turigi. Et cure do no hame in enggesting Martindalea. And I have a sort of reason for nominating him for jun consideration - orce started & dedicate a genus to him (21 in, (licelandia,) mentioned my thought before hand, and he was held to ask & see the theire before Juing consent; wherefore there will mean to a Martindalea, Green, ; news thelens he is a good and useful man; my repectable enny way, as you Row further letter There?

Mouns on touty

Edw. L. Greeze



Berkeley, Oct-, 11. ,1886. Dear Dr. Gray. - I han bun kept to my room for a week, by a postly sharp malarial attack, partly resultant from too much physical hard work on those wondown islands; meanwhile queries han hun accumulating, from you, in ngand to Idalcea, and, as I am going & a well by to-morn, I will begin by writing & right. As negards the tall Jocka plant, you an letter of them I for I have no epicinen. My supposition is that it blongs to S. Origana, and yet, may h it has a different - purtescence : my way iswill he for you, in your puper, to help me out. on that, since you have a spranuer. S. Cahfornica: not a bit of any such plant had I, in how I yet, neurtheless, I ken sun I must han sun it, this year, at-

Mrs. Binghams; Int- I acorned her sprance,

because they was banky in flower. The was confident - the had two species under S. malræflora, and both collected at J. Barbara. Specimens of the latter, with authors abortion an to be obtained in abundance, any year. and such han the corolla half (?) or times (?) the single of the other state. Lavatera John San Benito I know not -; bythe Gradalupe opicie, and that y the Coronados I am familiar with . I alone han seen both growing wild, and I han no doubt of the validity y both, nor can I su how you have nearon to expect variations between the digitality lobed leaf of the Jundalupe one and the pentagonally loked on y Coronados. That is the strong point in my mind. The molnens an not- 20 different. It is a most manullons flora, that - & those islands; and these fareterine an up more astounding than, for example, some meigerce that seem to bilong to the Old World I which I ens to late & get som in fruit.

Then is a Shysourocarper on S. Crag, with the anargin of its mittel- so infolded that - the genus will basely hold distinct from the Asialic Jauschina. My samara, due out y the sublish new the sorts of the dead plant, have gielded them plantlets which are growing in a por ina my window shelf. And then is, in San Arignel, a shoutly engainmen, in compact masses, six feet through, that many h mor an asiatic spraies. You ask my finion of the Dendromean Harfordie, I han give it ito place as a sprais in my MSS. but I han not our it-, can in Hurford's equainens. Its habitat is S. Rosa () miles from I, Cong!) and Harford discribes 1 to un as my commen then; but it has the rigid habit and the steffness y foliage that belong & D. rigidium, y which it is no durant form. It is fin or six ful high / he engs) and with trove broad, could have, and short branches, and short preducelle floress, it anust ha Gairly distinct plant, I support. Jones as always E. L. Jones.

California Academy of Sciences.

Post Office Box Ho. 2247.

Dear An Grand of the one special line I have that is not plant pully gived.

I dreed and the is not plantifully gived.

I dreed ned their is not plantifully gived.

I dreed these things. Her find "much to in with these things." Her "build without that the plantifully gived.

San Francisco, (12/2 2 5

188

mullished geneus. I wish you good their or your task, and should agreedly interested its

I do real-think belovery to that is accompating

As lier

S. L. Gracia.

Berkeley, Nov. 5, 1886. Dear Dr. Gray. -In response to your inquiry: I have nothing of the Bustyan Sphaerulcea I am sure, altho I thought he sent me writting. Jon han hen very quick to ran Junished already that - and Malvastrum. Then was a little of M. Thurberi on S. Cruz but no other malraceous plant-Whatever; otherwin I spould hen sent you opecimens; for you asked for them. I shall h ung eager & see your papers, and shall he helped greathy by them, us doubt-; for beyond Tidalcea I han were a while in Malvacea. I han to day done the last- proof- reading of

any heavest - and hundred - under. - taking get made; the angictling Mr. Watson's Brodicea, a thing which has aromied un eur since the publication y his M. Am. Thacese, and tol ii. Bot. Cal. I am not get outispied perfectly, except as regardo the two genera Brodisen and Hookina. But you can me it all a week on ten days Jes: you our un letters; but - croose than that : you gave no heed at all to my petition for something & show un what true Delphinium simplex is. And the Cricars Andrewsii your han forgotten all about -. Jun out a head y . Andersoning (which I had plenty of them I represented

I had plenty of) them I repeated my request, and silver followed. One thing more, gea, two:
//rypritykia plebeia, one calyt
ern with muthts!!, and

- --- - ----

*

lastly: from the primit- I come yn make, in my favor, a drisin of your Malacothing incana, if I repay you with all you want of it collected by myself? I would give, if need were, half y my twenty duplicates from Some Miguel I for a Jain fried y the Nortallian original from that Island (??) in the Boy of Son Diego. Yours orn truly I. Green.

Berkeley, Nov. 26. 1886. Dear Dr. Jray. - Thanks, indeed. for even the privilege of a look at those Nuttallian opecimens y Malacotherix incana. I wanted ym to gin m om to kup; but you do and seem willing; at hast, you have not said I may; so I return them intact, and with them better specimens, our from each of my islands. As for the delphining simpley, you have yit former, butyour runark that - it = &. distiohung: suffices; for that africing had newgringed, and admitted in by that name into my M.S.

I am sorry you will be displiased with my treating of Brodien + Hooking; really sorry, for I dislike & gin annoyance to you, who have labored to long, so zealoush, and so fruitfully, in this great pull. But what own I to do? / Tech selence let- all that- I know about These things remain autold, and weit for some lody ilse who has not a tilthe young prowledge y, the plents, by and by do something! Really you can not, in reason, expect-1, dans sur. got, I will and trouble you with words of self. depense; and you must be Jorbaning as you can be. yours as always E. L. Green

Berkeley, Dec. 16. 1881 Dear Dr. Gruy. Many thanks for the Malacotherex specimen which you have returned for me to kup. I are a worshipper of saints and relies, hence my dising to han this opecimen, with Nuttall's autograph. It is the only me It is probably too late in the reason, or I should ask you to help me out y trouble by sending in fresh fruit of Symphonicarpus rucemons from the east. I sprohund our Californian bush is grite district

from it. It is far more abundantly fructiferous, and its pedicels (my short) are whitered and springy- pulpy, no is part of the surcocarp itself, a character which I do not think the eastern plant while. But, it is doubtless to late in the year for you to settle this question for me, ly warring a bush, i jindud fra han om grning man by you. Is your printer not at work, I am undering. I long to our some of the print of your past years industry. As un, E. L. Greene

P. S. Hun lattly hun farmed with change of

title at the U. C. (which is green account-) and

an increase of salary, (which is any good,

to help me to mon books.)

Berkeley, Cal. Dec. 18/18 Dear Dr. Gray. being acquainted with any Myosurus alopecuroides, hurran," has passed your letter own to me. I therefore enclose a specimen of the disideration. From your remark to Mr. Curran that you have returned to the Polyfutular, I should infer thatthat - the column of the Syn, Il. is now to be hoped for. I should be ashound to repeat a possible new Botoning of this coust from your side of the con-, timent, had not Trison Blakemen & Juglors agent in S. Francisco lately told me that Mr. Coulter, having Jurished "Colonello" is now organised on a occurlan wish fin

Preific states, on california.

If this should be true, I ask that you tell me so.

I will at ma desirt from

the pursuit y my non muchon.

- taking, y's is so.

Yours Very Truly

Edw. & Yneene.

Berkein, Dec. 22, 1886. Sear Dr. Gray. - As for the pub. - lishing of Exchotzia ramora, it is already done, vide Bull. For. Club. for Nov. 86. I did not think of sending you the Bueria Burki until myt year, when I hoped to have real specimen, 215men fragments only. The youth sent me at the first our nice large sprainer (2 Jul- high) but too jung. I saw it was new and asked for more, and he went-out-This time and books of tops! I send you som of the lather, and you can see the excellent - character of aken and happens. I am nearly as badh off for

Specimens y Matricaria occidentalis. The last time I was out in the region when it gons I said & myself: it is too her M. discording in character to be ar foreigner; and so I took a large and a small specimen & study and compart. You know the result, and, since you ask for it, I send you the survece ofermen, befring & purnish you with bitter next year. It is a good spices withing a "character", standing in its habit and its properties; and I wike such spices. Every one such stands us an emphatic, living protest against-The artificiality of our accepture system of classification - "natural" we eall it, and perfectly natural it may be when him and then, genera as well as spires shad h frely admitted, in despite of Their lucking what we each a character.

Calais Chuslandi you will perhaps find that you have plenty of, under 3

C. Lindleyi, Then is hen also no great difference between the two in asserve and pappers, get, in spite y wel That the two look a different when sur growing and spreading at this fring, that are can not submit to bet them pass as me species. I hate to point out & you that - C. Clevelandi has its pedanceles much ut top (not thickened under the involver), and that this is its bush character as a sprews; for you will retord that so one of my partitions gives may between Microusis & Calais.

I enclose in the parcel now sout, an oldish specimen of Grindlia intiblia, the which you treated most shubbilly in the Dyn. It in spile young protest that it is a species. Why put it into glutinosa, any may, when it is the only species which is wholly devoid of glutinosity?

Yours as even

P. L. Greene.



Berkeley, Dec. 31, , , 1886. your tracing of Thysamocarbus enctus, just occeived, is very salisfactory, having in my mind are doubt about the distinctures of my little I concluditioner, of which I herewith unclose as good material as I possess, in return for your kind Javor. I am sorry ig, in the Striplanthus matter I have named as new the army plent. Shot which perfectly answers to Hooking figure is by far the most common, and without any inequality in its caly, and my impossion is that - the figure was made from a living plant- your from seed, in which can I can sed In how the character of the caly and fine 5 obtain recognition and representation. But - give if you how sun the original sprinners, how the lastmans y knowing; so I can not question your

judgment. Phase addrers un at Berkeley (not S. Francisco) ahm I com sens ym. Yours as arm C. G Greene.

I have been atmosphing with Frifolium for two webs hash, and have nached eatisfactory conclusions in some of the groups, but are almosphine in despair of that which begins with that enigmatic arome I simularature, M. and what is harden a great door to find out than the limits of species, is the names that hery each to each. Yours ky Imby Cdw. L. Green.

Berkeley, Jan. 30, 188), Dear Dr. Gray. - I han ynn postal card about Delphinium. you ask for my buille, and Then, in funcil, own & recall the requisition; and I really think it would not a with the trouble and upperse. I sent you, last spring, what you then asked Jer, eun durding with you , specimens which I did not like to muthate; hy 5 that sending I could not now all much that endly h likely to help you. It is not that I have any mes. n. sh. or any items that I wish to publish of my own accord. I do not make not any more aprices than then seem to

for names for, nor that I have given nower and place to your still empublished &. Justining according 5 your The one whom spreading or neuming Jools to juzzle ym is an my commonest- Coust Range plant-and then is no other Threes so well marked, & the carnal observer. I suppose there is little use in naming & you Just that an sun only in the living plant: newstheless, the most striking characteristic y it is the proulier light green (will almost while apolo as the simuses) of its horbage. Only are other of our spices has those marks, and that is & undicante. Indeed, when are of flower, you

can hardly distinguish between

them. I mudicante has just

anch pools too; so that this

plant is sunly mon related

to this red. flound one them

to I his red flound one them

you will tell me if you think

me using in my inpunce that

it is I decorner, I, & M.

But I have a geographical

But I have a geographical argument that is conclusion. It is the only that is conclusion. It is the only that major, weekt your inhabiting that major, and you, it extends even to the Sierras; always young in shady places, assure out s.

This is discouraging; & han questions coming at a date whem I was looking for some such good thing no a privated morrograph!

Berkeley, Feb. 12, 188). Dear Dr. Gray. - As regardo the Faparen, I was not purposing anything whatever with ry. exerce & 1. It will be very interesting of you do find 1a real good, indigenous species. for add & the interior penance I have her doing him muce Oncutt's last muchen came out. I wrote, trustily, months ago, those Echinocystis notes. myself inclated as the term I having lun made, withoutmy knowledge, part-author y a genus which I did not and do not bleer in. Ira I had now engyested the noun for 1-, hus. I had later published my say.

When Broutt has her, worrying an for muthing for his paper I handed him that -, and In unt of & J. Dings with it, and I thought - no more about it; and did not en a proof. If I have, us you think, given a woning in -- pression, I shall humbly Submit & Jun conclin of you deem correction readful; but-I shall mail you, two days hence, a proof of my owised edition y that - enotched paper, which is now in the printers hands. Very glad you an printing. To save you the shock that might attend the appravamen y the first number of Pittoria (sith all its mysterimsus) all complete and in corro, I put in now the proof of the

CALIFORNIA
ACADEMY OF SCIENCES,
SAN FRANCISCO.
P. O. BOX 2247.

San Francisco, Cal., Feb. 26 188>

Dear Dr. Gray. I am sending out the second signature of Tettoria, i. and shall soon a done with then fire part. Hun, munidiality I shall do some distributing of specimens. You will hant the Hazurdias and the tiro mer rusular Zanschur nas, etc. So while I am sending a parcel, or getting ready &, let mu Runs jagen new forethe need or anything soon from this way thustell trang og at me dendine. Yours Very Jonly Pdw L. Green

Berkeley, Feb. 28. 1887 Dean Dr. Gray. - In riply to zum note g the 20th: Jes, I hold 1-grit safe to publish such a Trifolium on one sprainer. I will land itto you is you want to take up the subject; then you can judge. "het it is too late to "ashin" about That - . If, howen, you an kindly disposed to advise I will listen attentively & you, concerning a point - whereon it is not too late. And the green is this: Why you did not, in treating those Entriched, 20 much as mention Lepiniannis generic name (ryptantha? I have always undered if it was from lack y S. An. spicinus & from its

"The Atherie" Med, the is had greating and solds I we had greating it from you good and so some of some of the solds, and all they are combressed; but believe in the Good ago; but always before an usef my and always and they are combressed; and always and they are combressed; and always and their and them of the states and there is han a symplethy for them you get they are then to the states and the states and there is and the states are the states about my states of the search of the states.

identity with Rymity sia; or whether you wished to have it un "obseen mane" las you have June here withing, notwithstanding its eight or wine years of knowly. nen knyntybria. Now I am confiding in you, no I Who I, and by for a reason; meanwhile witholding from my printer a considerable lot y manuscript in these plants. I plantice tea days ago, some seeds y a new Calais from danta brug Island, and They generaled to principles that I send you arm. You will find, when they are not Instern fo, a supplementary brothe or aux, on each side of the mains one, and almost no notth of the pulsa. yours tinemly Edw. L. Green,

March 22, 1882. Mille de Militarnia. COLLEGE OF AGRICULTURE. Contrib just in, the delay y which under the circumstances, has made he very uncom. - Fortable; and I must aporting now in the June Park of Pittonia. I thought the two pipers until cross wich other on the uny, at least: have my humiliation; but it - ail how tought me cantin for the petien. You will have received the Hazardias (with which you must be plused) and some other exceller things before now. E. L. G.

De Am Grange Annhause



Berkeley, June 27, 1887. Dear Mr. Natson. I have latily bur anating antions ingrury, in the neighborhood of Washington for the primind list y reasons for Dr. Polimis blants & 1886. the fascicles y which have been young on my spelves, unrailable for atualy on distribution, waiting for this but, for long months. Dr. Yasey refers run to you! · if says no list is to he listed for except what will appear in your ough Contributions, which is of Eurose, satisfactory uningle, is no many before to see Thon. Contributions in nasmable line. Ifm will on by the enclosed haves which I have just matched Jum my printers table, that unother instalment y atting

is about meaty. I percein I shall Tun to retholow this thing from my list of exchange correspondents. If I kgin then can how ending mutil the last name on my hot y botoming friends is reached; and the runture is to costly a one for My first subscription come from your state library in Boston; to that The pages will all havailably for reference, in Case Jun do 200 Care & han your name you the subscribers list. you have probably occurred my Studies

you have probably occurred my studies or v, a copy of which was mailed to you among the first. there will be centimed, and, as they are privated without out to me, are always com- municated fruly to all supposed to be intensted.

I softing to me assuthing from your some. I have found to the softing to me assuthing from your some. I have found to the form of the sound.

is really the H. congesta & C. I suppose it must - be the ours: but I detect no difference can that - y color of flowers, Cotween it and ordinary H. hygulocfolia. Then are acros y if near Lan Pablo (10 miles moth y Brokeley) and no white fluend plant of all in that district; but in other localities the two your together, though the while flowered Jone is by far the most-The new Bigilorias will, I guess, stand on their our obrious minits. though when Mr. Parish brought

Henrigania parrifolia is also so ory comme in the mountains y Kem + adjacen - counties that it is not easy to believe That I am the first - actictor of the ofercies. It could not, hours, possibly get mixed with any species except its ung clon ally H. ungata, June which, so Jus as floral characters go, it defors only in the orize of heads and muler y flowers. But in Joliage, pubescence and halit it is so multer, that I can not entertain a doubt y its being distinct. A I conclude that homers

Can turn most og ip oven By Dr. gray I think. Sincerely Grass Cho. L. Green.

It will be seen that I have hun permetted to enjoy a first-look into some of Mr. Vonglis Calif. gutherings. Both the Saxifragra and the Kuillandella an splended acypisetins; the latter of un great interest as showing, by ito Helenivid rays the true place of the genus. But I find, in Bolandino relico, a specimen or two of R. 2 coposa with each a few small pale gellow rougs!!!

forward his opecimens I said to heatily, H. Duglasi but I som Jurciand the thick, gurning haves & he those of anything suther than Dunglusii, Athat the moducial retakes here a different-char. - action, and that the number y fluers to the head is Juce tince as great. The trusters an said to murage whom -8 feet in hught. Madia Tringlei, Greene is purhops too similar & M. Bolandini, Gray but they seem to have a different arrangement y haves, some difference on pubescence, bisides a good deal y divergence in character of akene and happurs. Vigniera fluxuosa I ful a doubt about theam it has a half familiar look as y

I had seen and collected 1myself, amenter; but it is certainly a Vigniera and no such opicies can I find described anywher. Acmigania apricata. Have you mything like this in your mudle y H, multiglandulou ? greatly as the latter he admitted to van, this can hardly to included with it- Its ray where are very large, and stringly villous; moreover the herbage is atmigly fragrant. All the forms of what I accept for those y H. multiglandulosa, hour one Common unpleasant odor.

Zigadum possifoling does mg. answer to the discription of 3. volcanions, or any other Myican plant, and I guess

you will not ever presting its night to a somme as a n. sh. of Zigadum. Early last spring in the Moyselm Mts. I observed this plant, when it's their, pull garlic-looking leaves were only a few makes above yound. the dead eterns throad the dry penanth atill prosistingofour the bases of the emplo cupsules, and I said 5 myself Zigadums posifolius in sp. in of that germs" which I doubted on account of the peculiar connection of the penant with the lase y the wary. But Mr. Rushy's flowering spearing shows that - the thing can not go with any other genes This is truly, a formidable looking letter; but you



Werkeley, 27 June, 1888.

Gonn postal card must meds be answered; For it assumes that I have contributed two plant opicineus, this year, & the Gray Syrbanium, a thing which I had no intention of doing.

Anny to help you arrive making a .
some time befring to indicate, faintly perhaps, but

and unintelligibly, the possibility on any side, y a cess
ation of certain outward appearances of brostility

between ers, and of a return to the former letter

erays of brindly thinking and writing each of the other.

I seem, however, compelled to understand.

These there exists as men side, as such possibility.

and that you repose to meet my my first advance. If I am urning in this, you will surely correct me. Vary Sincerely yours Edw. L. Green.

If is an reference & docto god ruba; und run perfectly confident- there the injustice Ju do me is done unconscionsly, But, of men do such things innocently, to much the more med, us it seems to me, that that Rind y misdoing about here it's injustice held up & view. It is so common with it any; have my determination & take, before long, some opportunity of discussing 1; other opportunities will be sim. The front, as fun as relates to your haper, is this: in the printin question, I discound and hurtlished certain characters, namely, the total inde. - hirance of the pool, and the nearly obsolete partition. There are my important contribution to the history of the plant. If I named it as a men rames it has on these too grands, along with 17 prostrele habit. These then characteristics are cutively ignored by you; and that is ignoring my whole stock of facts. My conclusions, that if is dui generis, you are not bound to. That is unimportant. That you are unable & decound my view is und. my affair at all. I de think, brunn, that - justice demands the recognition of my into, it facts they be,

Berkeley 1- 1 mg 888.

Dear Un. Walson - I am under obligations to you for a letter, and a copy of your latest Contributions, which latter I had already taken measures to procure as som as I had leaned that it has extant and had not been out me by the author. I think I night to day porther in reference & the two specimens I sing before, that I had no idea they and reach you too late to be troughtinto comparison with the Pringle openiums begin pur publishing. " issuemed that Image's and almes plants would be presented hym, in our and the source "Contribution" and I know that you had not get come & the naming of Sulmers; "in still forhaming the familiary of any thing in relation & Palmins sele, which I have enth full notes), in deference & you. But your paper on Innger collection to

more appears, had been there we too in

joint when my letter and specimens

renched you, and so I was too late.

You lay upon me all the

neaponsibility for that lack y cordishly

which has existed between us; and that
going to open a private controversy by

alteresting to use it a word in my own

lefense, or by making delailed com
- plaint. "joint time and your energies,

and mine too, may be more propolably

occupied.

I do not regret having opened up a lim y criticism of the doing of locarists here and then. I began that - heaves I thought - the interests of this cause londly called for y-. I shall south continue the work, difficult and supleasant - though it he . But -?. I do right some of my men too punguy - physics; medlessly and, north than that -, hurt fully irritating expressions.

My only abstrayed armed to that - I rem

about the exaposes I may employ, when a sum of duty has impelled our to understate the defense of a weaker party.

Noy h I shall, hereforth, he able

& maintain the letter opint in which

-orren Club Catalogue.

I did rest and then happers before heaves I did not gul at all compidents they would gain a purisal or is other their much come. I will this year, I had to ask for your "Contributions" hopen I get them; here my judgment that is would be forcing things upon you is I am. is

In some remarks, new in mann.

- script, in jun "Contr. XV", for which I had

borned a copy of hear made one proint in

my own defense, which I shall now

call your attention & and then even it
from the printer copy. It will be the

letter way, since you callow me to write,

and that - justice to science requires that you doing them. If me find thus what I gan for fuets and new fucts, an only my imaginations. I ruch think That if Jun will look into this matter, you will an that you have sphoned guinely to enticism h us. writing into the character I your & Heterodouba the essential characters which I indicated for it as a germs, But as I have inturated, when I am ready to tale up such a matter sublicky, a shall fine 200 clearth of ittustration,; for American tolany abounds in them.

A few duplicates of frants of my own collecting within the hustlive years will be forwarded to you aboutly. As not trouble yourself to acknowledge receipt of them. They will go into the from the male I suppose; unless you find them needless duplicates.

It is clear as can be form the prob flowers, thus - Trifolium appendiculatum, which a send sound of greens it is admitted as a species, and of greens it is amentally mare and tocal.

gray 14, 88. from Inne, brune, Je have your forms of the terms of the between the person or lake and hip between us. It's he send if the plants principly then was me of me to this matter I deves mor infor an implied cometion. As to the outward officermen of hastility between us " I am not conscious that there has been my upon my side. In noc my horanich writing, or damys I have always shitiously arrived personalities of estry kind, in refrom to gownelf as to every one star. I have said & Dome mothing that soritud hostility to your, as I have falle non. and as I have Din nothing to prove the hostility shind

you how shows so I can I withing to placate it. I have not noticed it hithers, of nor hut any intersion of Doing so. his it has been wholly improvided es its craption much be as Je - , when tany on your post as for as I am concernot. Ops. my Truly Jon pullish, and, as the earling. ist state of Address. California til state Senver, Colorado

til state 25 guly, 1888. Up & that day, I had And you , us to others, each article j mine us som as Dear Mr. Walson. issued. But, marmuely his it was the third ouccersin I have justinstance of your pupers tring out to all other Jo June your brusman Mr. Californiam betanist; me : saleane, in which he tells alm excepted, self-respect-8. The year are inquiring sund & demand that I y him almer the latest I discontinue an altyether 3 8 issue of Pollmia. Ale is one sidel ychange. funder the impression that-Then is a possibility fit is due you, no an exthat you have, in each unsleaver 3 3- change paper; and I, for Im your part; and that mail I my part, neally wish iterew y ouch possibility, that I newsough to my own good will and purpose. were, - or that there

may he nothing more than postal mishaps in the fuctthat for two years frast. I have necessal and of your papers without either asking your for them, or (no in the last. los inslances) suding to a dealer for them. The case of your latestassure was one of very great & me dute in Murch I eras firmling an article, had, indud; read the lastkmy, when in our of the Junaral, I med a wha Byen puper in Palmers

Greagama, plants, etc. Some of the Efricas had latily hun duplicated & me in Frent: Pond's ellection and I was publishing them. When I knew your puper has mer, and had have for six rucks, I had & Citizenth to my printer to stip, and then, but in reach y Mr. Summer, in when head, I france the desired paper. By distrying one page of what now to have lun isserveally printed thatmy day, I paved mysely June" cross- firing, and making oursel syonyms. you have very much I

Emerson, House Redding, Shusta Co. Cal, 4 Sept., 1888. Dean Mr. Waton. your recent letter has been forwarded kither, Then I am stipping for a day on His a relief to he able to lay refun Dr. Pasey the blame of all my trouble and annoyance alust gun lust series of papers, Yes, I am always a purchasin & Dr. Jahners Collections; hus, let me by that, another time, you send me my copy direct, redtrusting Dr. Fasey, or any other man, Since I am all the while Jullishing, then is too much risk og synnym-making. Dr. frag und lattisk &

send me final from of all no papers, & premer cross-pring; as he called if. In this accorde I have all along here sending you advance sheets, in som as iround. I would not exact to much if you; how should be content, and grief men it not may lot to leaving your doing, first in the reviews of the thin through chies lorned June my neightons. No; I was used away you did not intend Mr. Deane should communicate to me your complaint; and my mention of his name & you would have ben a little anyour & him, him for their one thing. It is a num friend of yours, evidently, and a mon geneal constructed - y mine, so that it was my y frem kindness to latte you and me, that he made mentin gyme complains. The fact that he did 20 has



- tion of a misundiretanding; and.

I run compident he month han
hun mon them willing & he accessing
to such a result. This, I repeatit, is my own excuse for having
made the allusion I did to his
letter.

Ly Sincerel Grans
Edw. L. Greene.

an flat. Under the name of Ribes aureum Sunsh, I believe two species are emfanded; are with red-petaled very fragrated - flowers, and dark purple, edible fruit; and are with flowers all yellow, and perfectly scutters, the homes clear auber color, insipid to the taste. Hun is a difference too in the shape of the limes. The yellow kined is the only one I have men in Cal, and is the mon comment in Colo; but I have never been able to getsufficient material for a good study of the plants, since I ligue. to doubt- their specific identity. I am collecting in the vicinity of Jucka, very diligently, have already made specimens y some 300 species; shall have perhaps

6, on 8 sets. A valued cornesponding in Austria begged me & procure if practicable, plants by the hundred for three or four priends of his who want to pay for them in gold. I never orld a specemen in my life, orang tell me what -I might to ask per hundred?

J han by and & surral hundreds for each of those guilternen. I dan ask you. - What has home of Mr. S. Y. Olney? Do you Know? I have not heard a word about him for three years, almost. If you tell me he is alive and and I shall unte & hum, I han Cances and then plants for him, but he has and un a letter for nearly three years. With many many thanks & you, and to eurobody else & whom I am indebted on this magnificent look I remain Sincerely Yours. Silv & L. Given